

RoHS and Lead-free Information for EPCOS Products

as of July 21, 2005

***) RoHS compatible is defined as compatible with the following documents:**

DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM (2004) 606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

			RoHS information					Resistance to soldering heat resistance according:				Lead-free soldering information			Soldering conditions		
Product Family	Product Type	Range of ordering code	RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Maximum temperature / peak time / cycles	Backward compatible (leaded soldering process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component		
Surface Acoustic Wave Components																	
SAW filters																	
	CSSP a)	B39*	yes		SOP			no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	CSSPPlus	B39*	yes		SOP			no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	CSSP 3	B39*	yes		SOP			no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	Duplexer b)	B39*	no		SOP			no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	Plastic packages c)	B39*	yes		SOP			no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	SMD Ceramic packages d)	B39*	yes		SOP			no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
except a)	CSSP	B39**A510		for non RoHS applications				no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	CSSP	B39**C610						no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	CSSP	B39**A810		phase out				no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	CSSP	B39**A910		end 2005				no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	CSSP	B39881-B7704-C510			Dec 2005	yes		no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	CSSP	B39162-B7708-C510			Dec 2005	yes		no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	CSSP	B39921-B7737-C510		postponed due to customer request	Dec 2005	yes		no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	CSSP	B39941-B7705-B610			Sep 2005	yes		no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	CSSP	B39881-B7731-B610			Aug 2005	yes		no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
except b)	Duplexer	B39881-B4224-D310						no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	Duplexer	B39881-B4228-D410						no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	Duplexer	B39881-B4229-D510		for non RoHS applications				no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	Duplexer	B39881-B7630-D710						no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
	Duplexer	B39192-B7631-D910						no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	Ni/Au		
except c)	Plastic packages	B39**-D100	yes		M1PN	2002/11		yes	yes	yes		260°C 20 sec 3 cycl.	yes	1	Sn/Ag		
		B39**-D200	yes		M1PN	2002/11		yes	yes	yes		260°C 20 sec 3 cycl.	yes	1	Sn/Ag		
		B39**-K100	yes		M1PN	2002/11		yes	yes	yes		260°C 20 sec 3 cycl.	yes	1	Sn/Ag		
		B39**-L100	yes		M1PN	2002/11		no	yes	yes		260°C 20 sec 3 cycl.	yes	1	Sn/Ag		
		B39**-M100	yes		M1PN	2002/11		yes	yes	yes		260°C 20 sec 3 cycl.	yes	1	Sn/Ag		
		B39**-M201	yes		M1PN	2002/11		yes	yes	yes		260°C 20 sec 3 cycl.	yes	1	Sn/Ag		
		B39**-N201	yes		M1PN	2002/11		yes	yes	yes		260°C 20 sec 3 cycl.	yes	1	Sn/Ag		
		B39**-N301	yes		M1PN	2002/11		yes	yes	yes		260°C 20 sec 3 cycl.	yes	1	Sn/Ag		
		B39**-X400	yes		M1PN	2002/11		yes	yes	yes		260°C 20 sec 3 cycl.	yes	1	Sn/Ag		
		B39**-X500	yes		M1PN	2002/11		yes	yes	yes		260°C 20 sec 3 cycl.	yes	1	Sn/Ag		
except d)	SMD ceramic packages	B39**-P200	yes		SOP			no	yes	yes	yes	260°C 20 sec 3 cycl.	yes	1	Ni/Au		
		B39**-H210	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-H310	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-H410	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-H510	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-H710	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-H810	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-U110	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-U210	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-U310	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-U410	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-U510	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-U810	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-U910	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-Z110	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-Z410	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-Z510	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-Z610	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-Z710	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-Z810	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
		B39**-Z910	yes		SOP			no	yes	yes	yes	260°C 30 sec 3 cycl.	yes	1	Ni/Au		
Modules	FEM / WLAN / ASM	B30*	yes		SOP			no	yes	yes	no	260°C 20 sec 3 cycl.	yes	3	NiPd/Au		
LTCC	HS- Automotive Modules	B56**	yes		SOP			no	yes	yes	yes	260°C 10sec 3 cycles	no	n/a	Au		
Microwave Ceramics																	
	Filter	B6981*	yes		SOP			no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn or Ag		
	Filter	B6984*	yes		SOP			no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn or Ag		
	Filter	B6986*	yes		SOP			no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn or Ag		
	Antennas a)	B697*	yes		SOP			no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn or Ag		
	Koax	B696*****A	no		SOP			no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Ag		
	Koax	B696*****B	no	phase out				no	no	no	no	n/a	n/a	n/a	PbSn		
	Dielectric Resonators	B595*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	none		
	LTCC-components	B6988*	yes		SOP			no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Ag		
	LTCC-components	B6989*	yes		SOP			no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Ag		
except a)	Antennas	B69740U1577A250						no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn or Ag		
		B69740U1577D250						no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn or Ag		
		B69740U1577E250						no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn or Ag		
		B69740U1577F250						no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn or Ag		
		B69740U1577G250	no	Automotive - no final date				no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn or Ag		
		B69740U1577H250						no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn or Ag		
		B69740U1577I250						no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn or Ag		
		B69740U1577K250						no	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn or Ag		
Tantalum Electrolytic Capacitors																	
MnO2 cathode technology																	
	Chip R	SMD	B45190*	yes		PO	2002/10	yes	yes	no	no	250°C 30sec. 3 cycl.	yes	1	matte tin		
	Chip W. X	SMD	B45192*	yes		PO	2002/10	yes	yes	no	no	250°C 30sec. 3 cycl.	yes	1	matte tin		

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Product Family	Product Type		Range of ordering code	RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Soldering conditions		Plating of terminals of RoHS compatible component	
													Maximum temperature / peak time / cycles	Backward compatible (leaded soldering process) if Pb free terminals		MSL (Jedec 20 B/C)
	Chip V, U	SMD	B45194*	yes		P7	2002/07		yes	yes	no	no	250°C 30sec. 3 cycl.	yes	3	matte tin
	Chip A, B, C, D, E	SMD	B45196*	yes		PO	2002/10		yes	yes	no	no	250°C 30sec. 3 cycl.	yes	1	matte tin
	Low ESR Series Chip A,B,C,D,E	SMD	B45197*	yes		PO	2002/10		yes	yes	no	no	250°C 30sec. 3 cycl.	yes	1	matte tin
	Gold terminated series, for hybrid technology	SMD	B45198*	yes		PO	2002/10		yes	yes	no	no	250°C 30sec. 3 cycl.	yes	1	matte tin
	Multi Anode E Case	SMD	B45396*	yes		PO	2002/10		yes	yes	no	no	250°C 30sec. 3 cycl.	yes	1	matte tin
	All case sizes and types	SMD	B76*	yes		S3	2004/03		no	yes	no	no	250°C 20sec. 1 cycl.	yes	3	matte tin
	Chip X	SMD	B45292*	yes		S3	2004/03		no	yes	no	no	250°C 20sec. 1 cycl.	yes	3	matte tin
	Chip V	SMD	B45294*	yes		S3	2004/03		no	yes	no	no	250°C 20sec. 1 cycl.	yes	3	matte tin
	Chip B, C, D, E	SMD	B45296*	yes		S3	2004/03		no	yes	no	no	250°C 20sec. 1 cycl.	yes	3	matte tin
	Multi Anode E Case	SMD	B45469*	yes		S3	2004/03		no	yes	no	no	250°C 20sec. 1 cycl.	yes	3	matte tin
	Surge Arresters															
	wired		B88*	yes		SOP			yes	yes	test initiated	test initiated	260°C 20 sec 3 cycl.	yes	n/a	matte tin
	not wired		B88*	yes		SOP			yes	yes	test initiated	test initiated	260°C 20 sec 3 cycl.	yes	n/a	matte tin
	Aluminum Electrolytic Capacitors															
	Single-ended															
	Single-ended		B41820*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41821*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41825*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41851*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41852*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41856*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41857*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41858*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41859*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41866*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41867*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41868*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41886*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B41888*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B42822*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B42823*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B42824*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B42825*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B43821*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B43851*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B43857*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B43858*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B43866*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B43867*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Single-ended		B43888*	yes		0504	2004/04		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Screw terminals															
	Screw terminals		B41456*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B41458*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B41550*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B41554*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B41560*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B41560*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B41570*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B41580*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B41754*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B41875*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B41876*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43406*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43407*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43455*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43456*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43457*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43458*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43465*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43467*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43471*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43481*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43550*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43560*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43564*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43566*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43570*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43580*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43584*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43586*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43750*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43770*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43875*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43876*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Screw terminals		B43991*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Axial-leaded															
	Axial-leaded		B41682*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Axial-leaded		B41683* (not 1mm-wire***)	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin
	Axial-leaded		B41684* (not 1mm-wire***)	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin

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DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM (2004) 606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

				RoHS information					Resistance to soldering heat resistance according:				Lead-free soldering information			
Product Family	Product Type	Range of ordering code	RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Soldering conditions		Backward compatible (leaded soldering process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component
												Maximum temperature / peak time / cycles				
	Axial-leaded	B41691*	no					yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B41692*	no					yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B41693*	no					yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B41694*	no	Automotive - no final date				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B41695*	no					yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B41696*	no					yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B43683*	no					yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B43682*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B43683*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B43684*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B43688*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B43697*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B43698*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Axial-leaded	B43699*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
Soldering star	Soldering star	B41782*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Soldering star	B41783*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Soldering star	B41784*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Soldering star	B43782*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Soldering star	B43783*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Soldering star	B43784*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Soldering star	B41791*	no					yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Soldering star	B41792*	no					yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Soldering star	B41793*	no					yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Soldering star	B41794*	no	Automotive - no final date				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Soldering star	B41795*	no					yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Soldering star	B41796*	no					yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Soldering star	B43793*	no					yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
Snap-in	Snap-in	B41303*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B41503*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B41505*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B41605*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B41607*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B43303*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B43304*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B43406*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B43407*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B43416*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B43501*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B43502*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B43503*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B43504*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Snap-in	B43505*	yes		0604	2004/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	4 Snap-in	B43510*	yes		0105	2004/12		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	4 Snap-in	B43511*	yes		0105	2004/12		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	4 Snap-in	B43514*	yes		0105	2004/12		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
*except:	diameter 22 mm (3 Terminals)	B41*M002	yes		0605	2005/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	diameter 22 mm (short terminals)	B41*M007	yes		0605	2005/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	diameter 22 mm (short terminals)	B43*M007	yes		0605	2005/05		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Solder pins	B43507*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Solder pins	B43520*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Solder pins	B43521*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Solder pins	B43524*	no	July 2005				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Photo Flash	B43405*	no	customer specific				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Photo Flash	B43406*	no	customer specific				yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Photo Flash	B43407*	yes		0704	2004/06		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Photo Flash	B43415*	yes		0105	2004/12		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
	Photo Flash	B43416*	yes		0704	2004/06		yes	n/a	n/a	n/a	280°C 10 sec 1 cycl.	yes	n/a	matte tin	
except:	3-Pin	B41991	no	phase out												
	3-Pin	B41336	no	phase out												
	3-Pin	B41534	no	phase out												
	3-Pin	B41538	no	phase out												
	3-Pin	B43534	no	phase out												
Film Capacitors		B32* a) b) c)	yes		P7	2002/07		yes	n.a.	n.a.	n.a.	260°C 10 sec 1 cycl.	yes	n.a.	matte Sn	
except:	a)	B32529-C3102.*	yes		P7	2002/07		yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn	
		B32529-C3152.*	yes		P7	2002/07		yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn	
		B32529-C3222.*	yes		P7	2002/07		yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn	
		B32529-C3332.*	yes		P7	2002/07		yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn	
		B32529-C3472.*	yes		P7	2002/07		yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn	
		B32529-C3682.*	yes		P7	2002/07		yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn	
		B32529-C3103.*	yes		P7	2002/07		yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn	
		B32529-C3153.*	yes		P7	2002/07		yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn	

RoHS and Lead-free Information for EPCOS Products

as of July 21, 2005

***) RoHS compatible is defined as compatible with the following documents:**

DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM (2004) 606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

Product Family	Product Type	Range of ordering code	RoHS information					Resistance to soldering heat resistance according:				Lead-free soldering information				Soldering conditions		
			RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Maximum temperature / peak time / cycles	Backward compatible (leaded soldering process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component			
																IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)
		B32529-C3223.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C3333.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C3473.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C6102.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C6152.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C6222.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C6332.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C6472.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C6682.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C6103.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C6153.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C8102.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C8152.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C8222.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C8332.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C8472.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
		B32529-C8682.*	yes		P7	2002/07	yes	n/a	n/a	n/a	260°C 5 sec 1 cycl.	yes	n/a	matte Sn				
except:	b)	B32560.*	yes		P7	2002/07	yes	n/a	n/a	n/a	245°C 4 sec 1 cycl.	yes	n/a	matte Sn				
		B32561.*	yes		P7	2002/07	yes	n/a	n/a	n/a	245°C 4 sec 1 cycl.	yes	n/a	matte Sn				
except:	c)	B32542-S5456-K500	no	not intended														
		B32552-A1306-K501	no	not intended														
		B32862-A8124-A500	no	not intended														
		B81*	yes		P7	2002/07	yes	n.a.	n.a.	n.a.	260°C 10 sec 1 cycl.	yes	n.a.	matte Sn				
except:	d) Aerospace application	B95* d)	yes		P7	2002/07	yes	n.a.	n.a.	n.a.	260°C 10 sec 1 cycl.	yes	n.a.	matte Sn				
		B95037*	no	not intended														
Power Capacitors																		
	GTO capacitors	B25556*																
	MKK DC	B25650.*						n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
	PCB HI/PPC LP	B25645*/B25655.*						n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
	PhaseCap. PhaseCap HD, WindCap	B2566*						n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
	PhaseMod	B25670.*						n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
	PoleCap	B25671.*						n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
	MKK DCI	B25750.*						n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
	MKV	B258*						n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
	Motor run & lighting capacitors	B323*	no	Sep-05				n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
	Motor run & lighting capacitors	B324*	no	Sep-05				n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
	PhiCap	B3234*						n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
	SquareCap	B32357.*						n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
	MKP	B3236*						n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
Inductive Components																		
SMT-RF-Chokes SIMD																		
	SMT Inductors	SMD	B82412-A*	yes		SOP		n/a	yes	--	no	260°C/10s/1cycle	yes	MSL 1	Cu / Ag			
	SMT Inductors	SMD	B82422-A*	yes		SOP		n/a	yes	--	yes	260°C/40s/3cycle	yes	MSL 1	Cu / Ag / Sn			
	SMT Inductors	SMD	B82422-****-100	yes		SOP		n/a	yes	--	yes	260°C/40s/3cycle	yes	MSL 1	Cu / Ag			
	SMT Inductors	SMD	B82422-T*	yes		SOP		n/a	yes	--	yes	260°C/40s/3cycles	yes	MSL 1	Cu / Ag / Sn			
	SMT Inductors	SMD	B82432-A*	yes		SOP		n/a	yes	--	yes	260°C/40s/3cycles	yes	MSL 1	Cu / Ag			
	SMT Inductors	SMD	B82432-C*	yes		SOP		n/a	yes	--	yes	260°C/40s/3cycles	yes	MSL 1	Cu / Ag/Sn			
	SMT Inductors	SMD	B82432-H*	yes		SOP		n/a	yes	--	yes	260°C/40s/3cycles	yes	MSL 1	Cu / Ag			
	SMT Inductors	SMD	B82432-T*	yes		SOP		n/a	yes	--	yes	260°C/40s/3cycles	yes	MSL 1	Cu / Ag / Sn			
	SMT Inductors	SMD	B82442.*	yes		SOP		n/a	yes	--	yes	260°C/40s/3cycles	yes	MSL 1	Cu / Ag / Sn			
	SMT Inductors	SMD	B82494.*	no	July 2005			n/a	yes	--	no	test ongoing	yes	MSL 2	Sn			
	SMT Inductors	SMD	B82496-A*	yes		SOP	2005/04	2005/04	yes	--	no	260°C/10s/1cycle	yes	MSL 2	Sn			
	SMT Inductors	SMD	B82496-C*	yes		SOP			n/a	yes	--	no	260°C/10s/1cycle	yes	test ongoing until July 05	Sn		
	SMT Inductors	SMD	B82498-A*	yes		SOP	2005/04	2005/04	n/a	yes	--	no	250°C/10s/2cycles	yes	MSL 2	Sn / CU		
	SMT Inductors	SMD	B82498-B*	yes		SOP			n/a	yes	--	yes	260°C/10s/3cycles	yes	test ongoing until July 05	Ag / Pd / Pt		
	SMT Inductors	SMD	B82498-F*	yes		SOP			n/a	yes	--	no	260°C/10s/3cycles	yes	MSL 1	Ag / Pd / Pt		
	SMT Inductors	SMD	B82499-A*	yes		SOP	2005/04	2005/04	n/a	yes	--	no	260°C/10s/1cycle	yes	MSL 2	Sn / CU		
SMT Power Inductors																		
	SMT Power Inductors	SMD	B82462.*	yes		SOP			n/a									
	SMT Power Inductors	SMD	B82464-G*	yes		SOP			n/a									
	SMT Power Inductors	SMD	B82470-A*	yes		SOP			n/a			test ongoing until July 05	yes	MSL 1	Ni / Sn			
	SMT Power Inductors	SMD	B82471-A*	yes		SOP			n/a			no	yes	MSL 1	Ni / Sn			
	SMT Power Inductors	SMD	B82472-G*	yes		SOP			n/a			no	yes	MSL 1	Ni / Sn			
	SMT Power Inductors	SMD	B82473-A*	yes		SOP			n/a			test ongoing until July 05	yes	MSL 1	Ni / Sn			
	SMT Power Inductors	SMD	B82475-A*	yes		SOP			n/a	yes	--	no	yes	MSL 1	Ni / Sn			
	SMT Power Inductors	SMD	B82476-A*	yes		SOP			n/a			no	yes	MSL 1	Ni / Sn			
	SMT Power Inductors	SMD	B82477-G*	yes		SOP			n/a			no	yes	MSL 1	Ni / Sn			
	SMT Power Inductors	SMD	B82478-A*	yes		SOP			n/a			test ongoing until July 05	yes	MSL 1	Ni / Sn			
	SMT Power Inductors	SMD	B82479-A*	yes		SOP			n/a			no	yes	MSL 1	Ni / Sn			
SMT Ferrite Beads																		
	SMT Ferrite Beads	SMD	B82482.*	yes		SOP	3011	2003/01	n/a									
	SMT Ferrite Beads	SMD	B82483.*	yes		SOP	3011	2003/01	n/a									
	SMT Ferrite Beads	SMD	B82485.*	yes		SOP	3011	2003/01	n/a									

STN2192310F

RoHS and Lead-free Information for EPCOS Products

as of July 21, 2005

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				RoHS information					Resistance to soldering heat resistance according:				Lead-free soldering information				
Product Family	Product Type	Range of ordering code	SMD	RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Soldering conditions		Backward compatible (soldered process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component
													Maximum temperature / peak time / cycles	yes			
	SMT Ferrite Beads	SMD	B82486-*	yes		3011	2003/01	n/a	n/a	yes	no	260°C/10s/1cycle	yes	MSL 3		Sn	
	SMT Ferrite Beads	SMD	B82487-*	yes		3011	2003/01	n/a	n/a	yes	no	260°C/10s/1cycle	yes	MSL 3		Sn	
RF Chokes	RF Chokes	PTH	B781*8-T*	yes		SOP		yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	RF Chokes	PTH	B781*8-S*	yes		SOP		yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	RF Chokes	PTH	B82141-*	yes		SOP		yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	RF Chokes	PTH	B82143-*	yes		SOP		yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	RF Chokes	PTH	B82144-*	yes		SOP		yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	RF Chokes	PTH	B82145-*	yes		SOP		yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
VHF Chokes	VHF Chokes	PTH	B82111-B	yes		041111	2004/11	yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	VHF Chokes	PTH	B82111-E-C20	yes		050329	2005/03	yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	VHF Chokes	PTH	B82111-E-C21...C28	yes		030102	2003/01	yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	VHF Chokes	PTH	B82111-E-C29	yes		050329	2005/03	yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	VHF Chokes	PTH	B82114-R*	yes		4491	2004/12	yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	VHF Chokes	PTH	B82116-*	yes		SOP		yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		hot Sn	
	VHF Chokes	PTH	B82131-*	yes		030102	2003/01	yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	VHF Chokes	PTH	B82132-*	yes		030102	2003/01	yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	VHF Chokes	PTH	B82133-*	yes		030102	2003/01	yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	VHF Chokes	PTH	B82134-*	yes		030102	2003/01	yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
	VHF Chokes	PTH	B82500-*	yes		030102	2003/01	yes	n/a	--	--	260°C/10s/1cycle	yes	n/a		Sn	
Chokes for Power Line with Casing	I-Core Chokes	PTH	B82502-W-C*	yes		1004	2004/10	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	I-Core Chokes	cable lug	B82503-U-A*	yes		1004	2004/10	n/a	n/a	--	--	n/a	n/a	n/a		hot Sn on Ni	
	I-Core Chokes	screw	B82504-W-A*	yes		1004	2004/10	n/a	n/a	--	--	n/a	n/a	n/a		brass/ Ni	
	I-Core Chokes	copper wire	B82504-W-B*	yes		1004	2004/10	n/a	n/a	--	--	n/a	n/a	n/a		hot Sn	
	I-Core Chokes	screw	B82505-W-A*	yes		1004	2004/10	n/a	n/a	--	--	n/a	n/a	n/a		brass/ Ni	
	I-Core Chokes	screw	B82506-W-A*	yes		1004	2004/10	n/a	n/a	--	--	n/a	n/a	n/a		brass/ Ni	
	Sine-Wave Chokes	PTH	B82614-*	yes		1201	2001/03	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Iron Powder Ring Core Single Chokes	PTH	B82615-*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Iron Powder Ring Core Single Chokes	litz wire	B82617-*	yes		04.05	2005/04	n/a	n/a	--	--	n/a	n/a	n/a		hot Sn	
	Iron Powder Ring Core Double Chokes	PTH	B82623-*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Iron Powder Ring Core Double Chokes	PTH	B82624-*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Iron Powder Ring Core Double Chokes	PTH	B82625-*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Iron Powder Ring Core Double Chokes	litz wire	B82627-*	yes		04.05	2005/04	n/a	n/a	--	--	n/a	n/a	n/a		hot Sn	
	Current Compensated Ring Core Double Chokes	PTH	B82720-A*	no	July 2005			yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82720-K*	no	July 2005			yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82720-L*	no	July 2005			yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	SMD	B82720-S*	yes		04.05	2005/04	yes	n/a	--	test ongoing	245°C 30 sec 3 cycles	yes	MSL 1		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82721-A*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82721-K*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82721-J*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82721-S*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82722-A*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82722-J*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82722-S*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82723-A*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82723-J*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82724-A*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82724-B*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82724-J*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82725-A*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Triple Chokes	PTH	B82745-E*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated D-core Double Chokes	PTH	B82731-*	yes		1201	2001/03	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated D-core Double Chokes	PTH	B82732-*	yes		1201	2001/03	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated D-core Double Chokes	PTH	B82734-*	yes		1201	2001/03	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82791-G2***	no	July 2005			yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82791-H2***	no	July 2005			yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
	Current Compensated Ring Core Double Chokes	PTH	B82791-K2***	no	July 2005			yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn on Ni	
with base plate, tinned copper wire	Current Compensated Ring Core Double Chokes	PTH	B82720-S2173-A40	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn	
	Current Compensated Ring Core Double Chokes	PTH	B82722-S2103-N40	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn	
	Current Compensated Ring Core Double Chokes	PTH	B82723-S0253-A06*	yes		SOP		yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn	
	Current Compensated Ring Core Double Chokes	PTH	B82723-S2143-N30	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn	
	Current Compensated Ring Core Double Chokes	PTH	B82724-S2103-N02*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn	
	Current Compensated Ring Core Double Chokes	PTH	B82725-S*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn	
	Current Compensated Ring Core Double Chokes	PTH	B82726-S*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn	
	Current Compensated Ring Core Double Chokes	PTH	B82745-S*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn	
	Current Compensated Ring Core Double Chokes	PTH	B82747-S*	yes		04.05	2005/04	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a		hot Sn	
with casing, no PTH	Current Compensated Ring Core Double Chokes	litz wire	B82725-C*-A*	yes		SOP		n/a	n/a	--	--	n/a	yes	n/a		Cu	
	Current Compensated Ring Core Double Chokes	cable lug	B82727-C1-A1	yes		SOP		n/a	n/a	--	--	n/a	n/a	n/a		hot Sn	
	Current Compensated Ring Core Double Chokes	cable lug	B82728-C*-A*	yes		SOP		n/a	n/a	--	--	n/a	n/a	n/a		hot Sn	
	Current Compensated Ring Core Triple Chokes	bolt clamp	B82745-C2-A10	yes		SOP		n/a	n/a	--	--	n/a	n/a	n/a		Zn, Ni	
	Current Compensated Ring Core Triple Chokes	bolt clamp	B82745-C2-A13	yes		SOP		n/a	n/a	--	--	n/a	n/a	n/a		Zn, Ni	
	Current Compensated Ring Core Triple Chokes	bolt clamp	B82745-C2-A91	yes		SOP		n/a	n/a	--	--	n/a	n/a	n/a		Zn, Ni	
	Current Compensated Ring Core Triple Chokes	litz wire	B82745-C5-A7	yes		SOP		n/a	n/a	--	--	n/a	yes	n/a		Cu	

RoHS and Lead-free Information for EPCOS Products
as of July 21, 2005

***) RoHS compatible is defined as compatible with the following documents:**

DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM (2004) 606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

				RoHS information					Resistance to soldering heat resistance according:				Lead-free soldering information			
Product Family	Product Type	Range of ordering code	RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Soldering conditions				
												Maximum temperature / peak time / cycles	Backward compatible (soldering process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component	
	Current Compensated Ring Core Triple Chokes	litz wire B82745-C7-A6	yes		SOP			n/a	n/a	--	--	n/a	yes	n/a	Cu	
	Current Compensated Ring Core Triple Chokes	cable lug B82745-C8-A6	yes		SOP			n/a	n/a	--	--	n/a	yes	n/a	hot Sn	
	Current Compensated Ring Core Triple Chokes	cable lug B82747-C1-A1	yes		SOP			n/a	n/a	--	--	n/a	yes	n/a	hot Sn	
	Current Compensated Ring Core Triple Chokes	litz wire B82747-C1-A1	yes		SOP			n/a	n/a	--	--	n/a	yes	n/a	Cu	
	Current Compensated Ring Core Triple Chokes	copper wire B82747-F2***	yes		04.05	2005/04		yes	n/a	--	--	n/a	yes	n/a	hot Sn	
	Current Compensated Ring Core Quad Chokes	copper wire B82765-C1-A5	yes		04.05	2005/04		yes	n/a	--	--	n/a	yes	n/a	hot Sn	
	Current Compensated Ring Core Quad Chokes	litz wire B82765-C2-A6	yes		SOP			n/a	n/a	--	--	n/a	yes	n/a	Cu	
	Current Compensated Ring Core Quad Chokes	copper wire B82765-C25-A1	yes		04.05	2005/04		yes	n/a	--	--	n/a	yes	n/a	hot Sn	
	Current Compensated Ring Core Quad Chokes	copper wire B82765-C3-A3	yes		04.05	2005/04		yes	n/a	--	--	n/a	yes	n/a	hot Sn	
	Current Compensated Ring Core Quad Chokes	litz wire B82765-C4-A9	yes		SOP			n/a	n/a	--	--	n/a	yes	n/a	Cu	
	Current Compensated Ring Core Quad Chokes	litz wire B82765-C5-A7	yes		SOP			n/a	n/a	--	--	n/a	yes	n/a	Cu	
	Current Compensated Ring Core Quad Chokes	litz wire B82765-C5-B7	yes		SOP			n/a	n/a	--	--	n/a	yes	n/a	Cu	
	Current Compensated Ring Core Quad Chokes	litz wire B82765-C6-A11	yes		SOP			n/a	n/a	--	--	n/a	yes	n/a	Cu	
	Current Compensated Ring Core Quad Chokes	litz wire B82765-C060*-A11	yes		SOP			n/a	n/a	--	--	n/a	yes	n/a	Cu	
Data-Line-Chokes	Chokes for Data and Signal Lines	SMD B82789-****N1*	yes		SOP			n/a	yes						Ag / Au	
	Chokes for Data and Signal Lines	SMD B82789-****N2*	yes		SOP			n/a	yes		test ongoing	test ongoing	yes	test ongoing until July '05	Ag / Sn	
	Data-Line Ring Core Double Chokes	SMD B82790-C*	yes		2012	2002/01		n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	matte Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82790-P*	yes		SMD	2002/01		n/a	yes			250°C 30 sec 3 cycles	yes	MSL 1	matte Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82790-R*	yes		2012	2002/01		n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	Ag on Ni	
	Data-Line Ring Core Double Chokes	SMD B82790-S*	yes		2012	2002/01		n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	matte Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82790-T*	yes		2012	2002/01		n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	Ag on Ni	
	Data-Line Ring Core Double Chokes	SMD B82790-U*	yes		2012	2002/01		n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	Ag on Ni	
	Data-Line Ring Core Double Chokes	SMD B82792-C0***	yes		SOP			n/a	yes			245°C 30 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Quad Chokes	SMD B82792-C2***	yes		SOP			n/a	yes			245°C 30 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82793-C0***	yes		2012	2002/01		n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Quad Chokes	SMD B82793-C2***	yes		2012	2002/01		n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Quad Chokes	SMD B82793-C3***	yes		2012	2002/01		n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82793-D0***	yes		2012	2002/01		n/a	yes		test ongoing	250°C 40 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82793-E0***	yes		2012	2002/01		n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82793-K0***	yes		SOP			n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82793-L0***	yes		SOP			n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82793-P0***	yes		2012	2002/01		n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82793-S0***	yes		2012	2002/01		n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82794-C0***	yes		SOP			n/a	yes			245°C 30 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Quad Chokes	SMD B82794-C2***	yes		SOP			n/a	yes			245°C 30 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82794-S0***	yes		SOP			n/a	yes			245°C 30 sec 3 cycles	yes	MSL 1	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	SMD B82795-S0***	yes		SOP			n/a	yes			245°C 30 sec 3 cycles	yes	MSL 1	matte Sn on Ni	
	Data-Line Ring Core Quad Chokes	SMD B82799-C0***	yes		SOP			n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	Au on Ag on Ni	
	Data-Line Ring Core Double Chokes	SMD B82799-S0***	yes		SOP			n/a	yes			250°C 40 sec 3 cycles	yes	MSL 1	Au on Ag on Ni	
	Data-Line Ring Core Quad Chokes	PTH B82720-H0014*	no	July 2005			yes	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	PTH B82720-H0015*	no	July 2005			yes	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a	hot Sn on Ni	
	Data-Line Ring Core Quad Chokes	PTH B82791-G0011*	no	July 2005			yes	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	PTH B82791-G0012*	no	July 2005			yes	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a	hot Sn on Ni	
	Data-Line Ring Core Quad Chokes	PTH B82791-G0014*	no	July 2005			yes	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	PTH B82791-G0015*	no	July 2005			yes	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	PTH B82791-H0015*	no	July 2005			yes	yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	PTH B82796-C0***	yes		SOP			yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a	hot Sn on Ni	
	Data-Line Ring Core Quad Chokes	PTH B82796-C2***	yes		SOP			yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a	hot Sn on Ni	
	Data-Line Ring Core Double Chokes	PTH B82796-S0***	yes		SOP			yes	n/a	--	--	260°C 10 sec 1 cycle	yes	n/a	hot Sn on Ni	
EMC-Filters	2-Line Filters	B84102-C*	yes		04.05	2005/04		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
	2-Line Filters	B84102-K*	yes		04.05	2005/04		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
	2-Line Filters	B84103-S*	yes		05135	2005/04		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
	2-Line Filters	B84104-K*	yes		05135	2005/04		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
	4-Line Filters	B84108-S*	yes		04.05	2005/04		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
	2-Line Filters	B84110-A*	yes		04.05	2005/04		yes	n.a.	--	--	260°C 10 sec 1 cycle	yes	n.a.	hot Sn	
	2-Line Filters	B84110-B*	yes		04.05	2005/04		yes	n.a.	--	--	260°C 10 sec 1 cycle	yes	n.a.	hot Sn	
	2-Line Filters SIFI A	B84111*	yes		04.05	2005/04		n.a.	n.a.	--	--	n.a.	n.a.	n.a.	n.a.	
	2-Line Filters SIFI B	B84112*	yes		04.05	2005/04		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
	2-Line Filters SIFI B	PTH B84112-B-P30	yes		04.05	2005/04		yes	n.a.	--	--	260°C 10 sec 1 cycle	yes	n.a.	hot Sn	
	2-Line Filters SIFI D	B84114*	yes		04.05	2005/04		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
	2-Line Filters SIFI E	B84115*	yes		04.05	2005/04		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
	4-Line Filters	B84131*	yes		05135	2005/04		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
	2-Line Filters	B84132*														
	4-Line Filters	B84134*														
	2-Line Filters	B84142*														
	3-Line Filters	PTH B84143-A9-P8														
	3-Line Filters	B84143*														
	4-Line Filters	B84144*														
	2/3-Line Filters	B8414*-A***-R208														
	2-Line Filters	B84261*-B*														
	4-Line Filters	B84261*-E*														
	2-Line Filters	B84263*-B*														
	4-Line Filters	B84263*-E*														
	2-Line Filters	B84264*-B*														
	4-Line Filters	B84264*-E*														
	2-Line Filters	B84299*-B*														
	4-Line Filters	B84299*-E*														

for non RoHS applications

RoHS and Lead-free Information for EPCOS Products

as of July 21, 2005

***) RoHS compatible is defined as compatible with the following documents:**

DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM (2004) 606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

				RoHS information					Resistance to soldering heat resistance according:				Lead-free soldering information				
Product Family	Product Type	Range of ordering code	RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Maximum temperature / peak time / cycles	Soldering conditions				
													Backward compatible (leaded soldering process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component		
	2-Line Filters	B84299-K2*															
	4-Line Filters	B84299-K3*															
	4-Line Filters	B84299-K5*															
	2-Line Filters	B84299-K6*	yes		05135	2005/04		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	2-Line Filters	B84312-*	for non RoHS applications														
	20-Line Filters	B84320-*															
	8-Line Filters	B84551-*	yes		04.05	2005/04		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Feed Through-Filters/Capacitors																	
	1-Line Filters/Capacitors (Bolts)	B85*	yes		SOP			n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	1-Line Filters/Capacitors (Leaded)	B85*	yes		04.05	2005/04		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	matte Sn
Transformers																	
	E6.3 transformer	SMD	B78304B1030A003	yes		2003/12	2003/12	--	yes	yes	--	250°C 10s 3 cycles	yes	MSL 1		hot Sn	
		SMD	B78304B1031A003	yes		2003/12	2003/12	--	yes	yes	--	250°C 10s 3 cycles	yes	MSL 1		hot Sn	
		SMD	B78304B1032A003	yes		2003/12	2003/12	--	yes	yes	--	250°C 10s 3 cycles	yes	MSL 1		hot Sn	
		SMD	B78304B1016A003	yes		2005/01	2005/01	--	yes	yes	--	250°C 10s 3 cycles	yes	MSL 1		hot Sn	
		SMD	B78304B1144A003	yes		2003/12	2003/12	--	yes	yes	--	250°C 10s 3 cycles	yes	MSL 1		hot Sn	
		SMD	B78304B1145A003	yes		2003/09	2003/09	--	yes	yes	--	250°C 10s 3 cycles	yes	MSL 1		hot Sn	
		SMD	B78304A1477A003	yes		2003/12	2003/12	--	yes	yes	--	250°C 10s 3 cycles	yes	MSL 1		hot Sn	
	E16 transformer	PTH	B78310P1583A005	yes		2005/03	2005/03	yes	--	--	--	260°C 10sec 1 cycle	yes	n/a		hot Sn	
	ER11 transformer	SMD	B78334A1018A003	yes		2005/01	2005/01	yes	yes	yes	n.a.	250°C 10s 3 cycles	yes	MSL 1		hot Sn	
		SMD	B78334A1033A003	yes		2003/09	2003/09	yes	yes	yes	n.a.	250°C 10s 3 cycles	yes	MSL 1		hot Sn	
		SMD	B78334B1034A003	yes		2004/01	2004/01	yes	yes	yes	n.a.	250°C 10s 3 cycles	yes	MSL 1		hot Sn	
		SMD	B78334B1035A003	yes		2003/09	2003/09	yes	yes	yes	n.a.	250°C 10s 3 cycles	yes	MSL 1		hot Sn	
	RM6 transformer	PTH	B78386P1580A005	yes		2003/09	2003/09	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
		PTH	B78386P1648A005	yes		2003/09	2003/09	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
		PTH	B78386P1114A005	yes		2003/09	2003/09	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
		PTH	B78386P1115A005	yes		2004/01	2004/01	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
		PTH	B78386P1116A005	yes		2003/09	2003/09	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
		PTH	B78386P1127A005	yes		2004/01	2004/01	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
	RM8 transformer	PTH	B78388P1254A005	yes		2005/03	2005/03	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
	R10 transformer	PTH	B78510P1385A005	yes		2004/08	2004/08	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
		PTH	B78510P6622A005	yes		2005/04	2005/04	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
	EP5XL transformer	SMD	B78416A1850A003	yes		2004/06	2004/06	--	yes	yes	--	250°C 10s 3 cycles	yes	test ongoing		Q4/05	
		SMD	B78416A1829A003	yes		2003/09	2003/09	--	yes	yes	--	250°C 10s 3 cycles	yes				
	EP7 transformer	SMD	B78417A1698A003	yes		2004/06	2004/06	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78417A1706A003	yes		2004/09	2010/03	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78417A1761A003	yes		2003/09	2003/09	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78417A1762A003	yes		2003/09	2003/09	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78417A1763A003	yes		2003/11	2003/11	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78417A1764A003	yes		2003/09	2003/09	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78417A1765A003	yes		2003/09	2003/09	--	yes	yes	--	250°C 10s 3 cycles	yes	test ongoing		hot Sn	
		SMD	B78417A1847A003	yes		2004/07	2004/07	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78417A1851A003	yes		2004/07	2004/07	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78417A1744A003	yes		2003/09	2003/09	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78417A1822A003	yes		2003/08	2003/08	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78417A1838A003	yes		2004/03	2004/03	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
	EP13 transformer	SMD	B78421A1639A003	yes		2003/09	2003/09	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78421A1720A003	yes		2003/09	2003/09	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78421A1721A003	yes		2003/09	2003/09	--	yes	yes	--	250°C 10s 3 cycles	yes	test ongoing		hot Sn	
		SMD	B78421A1838A003	yes		2004/03	2004/03	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78421A1852A003	yes		2004/07	2004/07	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		SMD	B78421A8603A003	yes		2005/03	2005/03	--	yes	yes	--	250°C 10s 3 cycles	yes			hot Sn	
		PTH	B78421P1457A005	yes		2003/09	2003/09	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
		PTH	B78421P1482A005	yes		2004/09	2004/09	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
		PTH	B78421P1486A005	yes		2004/09	2004/09	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
		PTH	B78421P1544A005	yes		2003/09	2003/09	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
		PTH	B78421P1582A005	yes		2003/09	2003/09	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
		PTH	B78421P1649A005	yes		2003/09	2003/09	yes	--	--	--	260°C 10 sec 1 cycle	yes	--		hot Sn	
Ferrite Accessories																	
	P 7x4	PTH	B65512C2001	yes		04174	22/04/04	yes				350°C 3.5sec 1 cycle	yes			matte tin	
	P 9x5	SMT	B65524C1004T001	yes		04181	26/04/04	yes	yes			260°C 10sec 3 cycles	yes			matte tin	
	P 9x5	SMT	B65524C1008T001	yes		03223	28/05/03		yes			260°C 10sec 3 cycles	yes			matte tin	
	ER 11	SMT	B65526B1010T001	yes		02162	16/04/02		yes			260°C 10sec 3 cycles	yes			matte tin	
	P 14x8	PTH	B65545B0009	yes		03413	08/10/03	yes				350°C 3.5sec 1 cycle	yes			matte tin	
	P 14x8	PTH	B65545B0010	yes		03382	16/09/03	yes				350°C 3.5sec 1 cycle	yes			matte tin	
	PM 50/39	PTH	B65647B1014T001	yes		03045	24/01/03	yes				350°C 3.5sec 1 cycle	yes			matte tin	
	P 18x11	PTH	B65655B0010	yes		03382	16/09/03	yes				350°C 3.5sec 1 cycle	yes			matte tin	
	P 22x13	PTH	B65665C0004	yes		03431	20/10/03	yes				350°C 3.5sec 1 cycle	yes			matte tin	
	P 26x16	PTH	B65675B0005	yes		03371	08/09/03	yes				350°C 3.5sec 1 cycle	yes			matte tin	
	PM 62/49	PTH	B65685B1016T001	yes		03051	27/01/03	yes				350°C 3.5sec 1 cycle	yes			matte tin	
	PM 74/59	PTH	B65687A1018T001	yes		03051	27/01/03	yes				350°C 3.5sec 1 cycle	yes			matte tin	
	P 30x19	PTH	B65705B0003	yes		04112	10/03/04	yes				350°C 3.5sec 1 cycle	yes			matte tin	

RoHS and Lead-free Information for EPCOS Products

as of July 21, 2005

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DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM (2004) 606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

				RoHS information					Resistance to soldering heat resistance according:				Lead-free soldering information			Soldering conditions		
Product Family	Product Type		Range of ordering code	RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Maximum temperature / peak time / cycles	Backward compatible (leaded soldering process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component		
	PM 87/70	PTH	B65714K1020T001	yes		03051	27/01/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 4	SMT	B65804B6004T001	yes		02315	05/08/02			yes			260°C 10sec 3 cycles	yes		matte tin		
	RM 4	SMT	B65804B6010T001	yes		03453	05/11/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	RM 4	SMT	B65804B6010T002	yes		02321	05/08/02			yes			260°C 10sec 3 cycles	yes		matte tin		
	RM 4	PTH	B65804K1005D001	yes		04431	18/10/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 4	PTH	B65804K1005D002	yes		04293	14/07/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 4	PTH	B65804K1005D001	yes		04322	03/08/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 4	SMT	B65804S6008T001	yes		03061	03/02/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	RM 5	PTH	B65806A2201	yes		03331	11/08/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 5	PTH	B65806A2203	yes		01471	19/11/01		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 5	PTH	B65806K1004D001	yes		03142	01/04/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 5	PTH	B65806K1004D002	yes		03233	04/06/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 5	PTH	B65806K1005D001	yes		03142	01/04/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 5	PTH	B65806K1005D002	yes		03272	01/07/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 5	PTH	B65806K1006D001	yes		03111	10/03/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 5	PTH	B65806K1006D002	yes		03113	12/03/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 5	PTH	B65806K1008D001	yes		03142	01/04/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808A2201	yes		02162	16/04/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808A2203	yes		01441	29/10/01		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808A2203	yes		01471	19/11/01		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808E1508T001	yes		01504	13/12/01		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808K1004D001	yes		03111	10/03/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808K1004D002	yes		03112	11/03/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808K1005D001	yes		03173	23/04/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808K1006D001	yes		03112	11/03/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808K1006D002	yes		03123	19/03/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808N1004D001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808N1004D002	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808N1005D001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808N1006D001	yes		03043	22/01/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808N1006D002	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808W1508T001	yes		02037	20/01/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 6	PTH	B65808X1108D002	yes		03123	19/03/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812A2203	yes		02473	20/11/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812A2203	yes		03354	28/08/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812C1512T001	yes		01504	13/12/01		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812K1005D001	yes		04182	27/04/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812K1008D001	yes		04182	27/04/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812K1008D002	yes		04182	27/04/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812K1012D001	yes		02331	12/08/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812N1005D001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812N1005D002	yes		02244	13/06/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812N1005D002	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812N1008D001	yes		02353	28/08/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812N1008D002	yes		03261	23/06/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812N1008D002	yes		02353	28/08/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812N1008D002	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812N1012D001	yes		02244	13/06/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812N1012D001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812N1012D002	yes		02353	28/08/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812N1012D002	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812P2203	yes		02023	09/01/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 8	PTH	B65812X1108D002	yes		04181	26/04/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814A2203	yes		04195	07/05/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814C1512T001	yes		01504	13/12/01		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814K1011D001	yes		04182	27/04/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814K1012D001	yes		04182	27/04/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814N1008D001	yes		02244	13/06/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814N1008D001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814N1008D002	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814N1010D001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814N1011D001	yes		02295	19/07/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814N1011D001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814N1012D001	yes		02244	13/06/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814N1012D001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 10	PTH	B65814N1012D002	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 12	PTH	B65816A2002	yes		02454	07/11/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 12	SMT	B65816C1512T001	yes		01504	13/12/01		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 12	PTH	B65816N1011D001	yes		03055	31/01/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 12	PTH	B65816N1012D001	yes		02321	05/08/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 12	PTH	B65816N1012D001	yes		03055	31/01/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 7	PTH	B65820B1008D001	yes		04321	02/08/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 7	PTH	B65820B2001	yes		03244	12/06/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 7	PTH	B65820W1005D002	yes		03055	31/01/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 7	PTH	B65820W1008D001	yes		02403	02/10/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 7	PTH	B65820W1008D002	yes		02505	13/12/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 5	SMT	B65822C1008T001	yes		02363	08/08/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	RM 5	SMT	B65822F1008T001	yes		03393	24/09/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	RM 5	SMT	B65822F1008T002	yes		02331	12/08/02			yes			260°C 10sec 3 cycles	yes		matte tin		
	RM 5	SMT	B65822J1008T001	yes		03263	25/06/03			yes			260°C 10sec 3 cycles	yes		matte tin		

RoHS and Lead-free Information for EPCOS Products

as of July 21, 2005

***) RoHS compatible is defined as compatible with the following documents:**

DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM (2004) 606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

				RoHS information					Resistance to soldering heat resistance according:				Lead-free soldering information			Soldering conditions		
Product Family	Product Type		Range of ordering code	RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Maximum temperature / peak time / cycles	Backward compatible (soldered process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component		
	EP 7	PTH	B65840B1006D001	yes		04292	13/07/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 7	PTH	B65840B1006D002	yes		04292	13/07/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 7	PTH	B65840D2000	yes		03244	12/06/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 7	SMT	B65840F1106T001	yes		03124	20/03/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	EP 7	SMT	B65840N1106T001	yes		02193	08/05/02			yes			260°C 10sec 3 cycles	yes		matte tin		
	EP 10	PTH	B65842C1008D002	yes		04292	13/07/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 10	SMT	B65842L1108D001	yes		03105	07/03/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	EP 10	PTH	B65842W1008D001	yes		02384	19/09/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 13	PTH	B65844L1010D002	yes		04322	03/08/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 13	SMT	B65844N1110T001	yes		02384	19/09/02			yes			260°C 10sec 3 cycles	yes		matte tin		
	EP 13	SMT	B65844N1110T002	yes		03402	30/09/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	EP 13	PTH	B65844S1006D001	yes		04153	07/04/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 13	PTH	B65844S1106D001	yes		04242	08/06/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 13	PTH	B65844W1004D001	yes		03063	05/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 13	PTH	B65844W1010D001	yes		03401	29/09/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 13	PTH	B65844X1004D002	yes		03423	13/01/03			yes			350°C 3.5sec 1 cycle	yes		matte tin		
	EP 13	PTH	B65844X1010D002	yes		03063	05/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 17	PTH	B65846C2000	yes		02355	30/08/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 17	PTH	B65846L1008D002	yes		04301	19/07/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 17	PTH	B65846W1008D001	yes		02193	08/05/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EP 20	PTH	B65848A2000	yes		04334	12/08/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EPX 9/9/9	SMT	B65852A1008D001	yes		03055	31/01/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	EP 5	SMT	B65856A1006T001	yes		03391	22/09/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	EPX 7/9	SMT	B65858A1008T001	yes		03054	31/01/02			yes			260°C 10sec 3 cycles	yes		matte tin		
	RM 14	PTH	B65888A2002	yes		03055	24/01/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 14	PTH	B65888C1512T001	yes		01504	13/12/01			yes			350°C 3.5sec 1 cycle	yes		matte tin		
	RM 14	PTH	B65888N1010D001	yes		02455	08/11/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	RM 14	PTH	B65888N1012D001	yes		02455	08/11/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 13	PTH	B66202A1108T001	yes		04204	29/04/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 13	PTH	B66202J1106T001	yes		04315	16/07/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 20	PTH	B66206A1110T001	yes		04204	29/04/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 20	PTH	B66206C1012T001	yes		03363	27/08/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 20	PTH	B66206C1012T001	yes		04085	06/02/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 20	PTH	B66206C1014T001	yes		02414	10/10/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 20	PTH	B66206J1110T001	yes		04193	21/04/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 25	PTH	B66208A1110T001	yes		01504	13/12/01		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 25	PTH	B66208A1110T001	yes		04133	10/03/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 25	PTH	B66208A2003	yes		03033	08/01/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 25	PTH	B66208J1110T001	yes		01504	13/12/01		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 25	PTH	B66208J1110T001	yes		04085	06/02/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 25	PTH	B66208K1009T001	yes		03173	16/04/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 25	PTH	B66208W1010T001	yes		03292	08/07/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 32	PTH	B66230A1114T001	yes		02371	09/09/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 32	PTH	B66230A1114T002	yes		03042	14/01/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 30	PTH	B66232A1114T001	yes		03292	08/07/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 30	PTH	B66232B1114T001	yes		03304	17/07/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 30	PTH	B66232J1112T001	yes		02215	24/05/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 30	PTH	B66232S1112T001	yes		03285	04/07/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 30	PTH	B66232W1010D001	yes		03065	31/01/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 42/21/20	PTH	B66243A1018T001	yes		04205	14/05/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 42/21/20	PTH	B66243B1012T001	yes		03181	07/04/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 42/21/20	PTH	B66243S1012T001	yes		03181	07/04/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EC 70	PTH	B66278B1001T001	yes		02331	12/08/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EC 70	PTH	B66278B1002T001	yes		02331	12/08/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	EC 70	PTH	B66278B1011T001	yes		02331	12/08/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 6,3 SMD (Pitch 1.85)	SMT	B66296B1006T001	yes		03335	08/08/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	E 6,3 SMD (Pitch 2.54)	SMT	B66301B1004T001	yes		03282	01/07/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	E 6,3 SMD (Pitch 2.54)	SMT	B66301B1004T002	yes		03404	25/09/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	E 6,3 SMD (Pitch 2.54)	SMT	B66301B1006T001	yes		04163	31/03/04			yes			260°C 10sec 3 cycles	yes		matte tin		
	E 6,3 SMD (Pitch 2.54)	SMT	B66301B1006T002	yes		04121	01/03/04			yes			260°C 10sec 3 cycles	yes		matte tin		
	E 8,8	SMT	B66302D1008T001	yes		03455	07/11/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	E 8,8	SMT	B66302D1008T002	yes		03223	28/05/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	E 8,8	SMT	B66302S1008T001	yes		03124	20/03/03			yes			260°C 10sec 3 cycles	yes		matte tin		
	E 13	SMT	B66306C1010T001	yes		02043	23/01/02			yes			260°C 10sec 3 cycles	yes		matte tin		
	E 13	SMT	B66306C1010T002	yes		02043	23/01/02			yes			260°C 10sec 3 cycles	yes		matte tin		
	E 16	PTH	B66308A1108T001	yes		04184	29/04/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	E 16	PTH	B66308J1108T001	yes		04173	21/04/04		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 29	PTH	B66359A1013T001	yes		03282	08/07/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 29	PTH	B66359B1013T001	yes		03451	16/06/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 29	PTH	B66359J1014T001	yes		02312	30/07/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 29	PTH	B66359W1013T001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 29	PTH	B66359X1014T001	yes		02463	13/11/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 34	PTH	B66362B1014T001	yes		03291	14/07/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 34	PTH	B66362L1014T001	yes		02412	08/10/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 34	PTH	B66362W1014T001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 34	PTH	B66362X1014T001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 39	PTH	B66364B1016T001	yes		02331	12/08/02		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 39	PTH	B66364B1016T001	yes		03312	28/07/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 39	PTH	B66364W1016T001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 44	PTH	B66366B1018T001	yes		03251	16/06/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		
	ETD 44	PTH	B66366W1018T001	yes		03072	11/02/03		yes				350°C 3.5sec 1 cycle	yes		matte tin		

RoHS and Lead-free Information for EPCOS Products

as of July 21, 2005

***) RoHS compatible is defined as compatible with the following documents:**

DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM (2004) 606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

Product Family	Product Type	Range of ordering code	RoHS information					Resistance to soldering heat resistance according:				Lead-free soldering information					
			RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Maximum temperature / peak time / cycles	Backward compatible (leaded soldering process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component		
	ETD 49	PTH	B66368A2001	yes		03045	24/01/03			yes				350°C 3,5sec 1 cycle	yes		matte tin
	ETD 49	PTH	B66368B1020T001	yes		03294	17/07/03			yes				350°C 3,5sec 1 cycle	yes		matte tin
	ETD 49	PTH	B66368W1020T001	yes		03072	11/02/03			yes				350°C 3,5sec 1 cycle	yes		matte tin
	E 36	PTH	B66390A1016T001	yes		02262	25/06/02			yes				350°C 3,5sec 1 cycle	yes		matte tin
	ETD 54	PTH	B66396A1022T001	yes		04353	27/08/03			yes				350°C 3,5sec 1 cycle	yes		matte tin
	ETD 59	PTH	B66396A1024T001	yes		04353	27/08/03			yes				350°C 3,5sec 1 cycle	yes		matte tin
	EFD 15	PTH	B66414B1008D001	yes		04202	11/05/04			yes				350°C 3,5sec 1 cycle	yes		matte tin
	EFD 15	SMT	B66414B6008T001	yes		02043	23/01/02				yes			260°C 10sec 3 cycles	yes		matte tin
	EFD 15	PTH	B66414W1008D001	yes		04095	27/02/04			yes				350°C 3,5sec 1 cycle	yes		matte tin
	EFD 20	PTH	B66418B1008D001	yes		04292	13/07/04			yes				350°C 3,5sec 1 cycle	yes		matte tin
	EFD 20	PTH	B66418W1008D001	yes		03332	12/08/03			yes				350°C 3,5sec 1 cycle	yes		matte tin
	EFD 25	PTH	B66422W1010D001	yes		03353	27/08/03			yes				350°C 3,5sec 1 cycle	yes		matte tin
	EFD 30	PTH	B66424W1012D001	yes		04324	05/08/04								yes		matte tin
	EP 20	PTH	B65848D1010D001	no	July 2005										yes		matte tin
	RM 14	PTH	B65888C1010D001	no	July 2005										yes		matte tin
	EP 7	PTH	B65840S1004D001	no	July 2005										yes		matte tin
	RM 6	SMT	B65821J1008T001	no	July 2005										yes		matte tin
	RM 14	PTH	B65888C1012D001	no	July 2005										yes		matte tin
	EP 7	SMT	B65840N1106T002	no	July 2005										yes		matte tin
	ETD 59	PTH	B66398W1024T001	no	July 2005										yes		matte tin
	RM 12	PTH	B65816A1011D001	no	July 2005										yes		matte tin
	RM 12	PTH	B65816A1012D001	no	July 2005										yes		matte tin
	E 25		B66208A2001X000	no	July 2005									n.a.	yes		matte tin
	EP 17		B65844C2003X000	no	July 2005									n.a.	yes		matte tin
	P 11x7	PTH	B65535B0002X000	no	July 2005										yes		matte tin
	P 11x7	PTH	B65535B0003X	no	July 2005										yes		matte tin
	E 20	PTH	B66206J1106T001	no	July 2005										yes		matte tin
	P 11x7	PTH	B65532J1008D001	no	July 2005										yes		matte tin
	EP 13	PTH	B65844C1010D002	no	July 2005										yes		matte tin
	RM 4		B65804P2203X000	no	July 2005									n.a.	yes		matte tin
	E 20	PTH	B66206J1106T002	no	July 2005										yes		matte tin
	P 36x22	PTH	B65615B0001X000	no	July 2005										yes		matte tin
	P 9x5	PTH	B65518B2001X000	no	July 2005										yes		matte tin
	P 9x5	PTH	B65518B2002X000	no	July 2005										yes		matte tin
	RM 4	PTH	B65804R1006D001	no	July 2005										yes		matte tin
	ETD 54	PTH	B66396W1022T001	no	July 2005										yes		matte tin
	EFD 25	PTH	B66422B1010D001	no	July 2005										yes		matte tin
	EP 10		B65842C2000X000	no	July 2005									n.a.	yes		matte tin
	EP 13		B65844C2000X000	no	July 2005									n.a.	yes		matte tin
	EP 10	PTH	B65842C1008D001	no	July 2005										yes		matte tin
	ER 9,5	SMT	B65527B1008T001	no	July 2005										yes		matte tin
	RM 4	SMT	B65804B6006T002	no	July 2005										yes		matte tin
	EP 7	PTH	B65840S1004D002	no	July 2005										yes		matte tin
	EP 13	SMT	B65844F1110T001	no	July 2005										yes		matte tin
	EP 7		B65840D2001X000	no	July 2005									n.a.	yes		matte tin
	EFD 30	PTH	B66424B1012D001	no	July 2005										yes		matte tin
	ER 42	PTH	B66348A1018T001	no	July 2005										yes		matte tin
	EC 35/17/10	PTH	B66272J1013T001	no	July 2005										yes		matte tin
	EP 10		B65842A2000X000	no	July 2005									n.a.	yes		matte tin
	RM 5		B65806A2203X000	no	July 2005									n.a.	yes		matte tin
	P 36x22		B65612B T 3	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	adjusting screw N22 M2		B65812B3002X 22	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	washer P22X13		B65662A5002	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	threaded sleeve M2,3		B65579K 1	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	washer RM14		B65888B2005	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	washer RM14		B65888B5000	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	washer RM14		B65888B5000	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	coil former P41X25		B65622A M 1	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	coil former P41X25		B65622A M 2	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	coil former P41X25		B65622A M 3	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	screw driver		B63398B 4	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	washer RM 7		B65820A5000	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	washer RM 7		B65820A5000	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	washer RM12		B65820C2005	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	washer RM12		B65816D2005	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	washer RM12		B65816B5000	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	cap E 6,3		B66301B2000	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	cap WEISS E 6,3		B66301C2000	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	cap EF 8		B66302A2000	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	choke EF12,6		B66202A2010	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	coil former P530,5		B65942B T 1	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	coil former P9X2,8		B65936A T 1	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	washer RM10		B65814B2005	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	washer RM10		B65814B5000	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	adjusting screw N22 M1,4		B65806C3001X 22	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	threaded sleeve M1,4		B65806K3002	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	adjusting screw N22 M1,4		B65806A3002X 22	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	adjusting screw N22 M2,3		B65579B 1X 23	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	adjusting screw K1 M1,4		B65539C1002X 1	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	adjusting screw N22 M1,4		B65539C1002X 22	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a
	adjusting screw K 1 M1,4		B65539C1003X 1	yes		SOP				n/a	n/a	n/a	n/a	n/a	yes		n/a

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***) RoHS compatible is defined as compatible with the following documents:**

DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM (2004) 606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

Product Family	Product Type	Range of ordering code	RoHS information					Lead-free soldering information				Soldering conditions			
			RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	Resistance to soldering heat resistance according:				Maximum temperature / peak time / cycles	Backward compatible (leaded soldering process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component
								IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)				
	clamp ER 9.5	B65527A2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw SI 1 M1.4	B65539C1003X101	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw SI 1 M1.4	B65518C3000X101	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former P9.5	B65522B T 2	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	screwdriver	B63399B 1X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw K1 M1.4	B65518C3000X 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw N22 M1.4	B65518C3000X 22	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 8 E.clamp	B65812A2204	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve	B65812A3001	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM8	B65812A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw N22 M2	B65812B3003X 22	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM8	B65812C2005	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 8 E.clamp	B65812A2204	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve	B65810L3002	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 6 LP.clamp	B65808P2204	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve M2	B65808L3002	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 6	B65808C2005	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 6 E.clamp	B65808J2204	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 6 E.clamp	B65808J2204	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 6	B65808A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 5 E.clamp	B65806J2204	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM5	B65806A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 5	B65806B2005	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 5 E.clamp	B65806J2204	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 5 B	B65806A2025	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 4LP E.clamp	B65804P2204	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 4	B65804C2005	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 4	B65804A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 4	B65804C2005	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former PM114X93	B65734B1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former PM 87X70	B65714J1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P30	B65702A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P30X19	B65702A5002	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former 30X19/1	B65702B T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former P30X19/2	B65702B T 2	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former PM 74X59	B65687A1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former PM 74X59	B65687A1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former PM 62X49	B65685A1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P26	B65672B5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw N22 M3	B65679E 1X 22	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw N22 M3	B65679E 2X 22	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw N22 M3	B65679E 3X 22	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve M3	B65679L 3	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P26X16	B65672A5002	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P26X16	B65672A5002	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former P26X16	B65672B T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve	B65669L 4	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P22	B65662A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P22X13	B65662A5002	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former P22X13	B65662B T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 6 O ERDF R.BAND	B65808J2206X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 4LP E.clamp	B65804P2204X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P30X19	B65702A5002X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	P30X19 cap	B65705A2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P9X 5	B65522A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	P36X22 choke	C81035A 16C102	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EFD30/15/9 choke	B66424B2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EFD30/15/9 choke	B66424B2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EFD25/13/9 choke	B66422B2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EFD20/10/7 choke	B66418B2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EFD15/8/5 choke	B66414B2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	cover plate E13/EFD15	B66414A7000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	ETD59 choke	B66398A2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	ETD54 choke	B66396A2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	ETD49 choke	B66368A2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	ETD44 choke	B66366A2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	ETD39 choke	B66364A2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	ETD34 choke	B66362A2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	ETD29 choke	B66358A2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EF16 LAUSF choke	B66308A2001	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EF 16 choke	B66308A2010	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EV 30 cap	B66298A2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EI 32 clamp	B66288F2204	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former E42/15	B66242J1000R 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former E55/28/21	B66252B M 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former EC 35	B66272A1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EF32 choke	B66230A2010	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	E30 choke	B66232A2010	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw K 1 M2	B65659F 1X 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw N22 M2	B65659F 1X 23	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw SI 1 M2	B65659F 1X101	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

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	adjusting screw N22 M2		B65699F 3X 23	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	adjusting screw N22 M2		B65699J 4X 23	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	threaded sleeve M2		B65699J 2	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer P18		B65652A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer P18X11		B65652A5002	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former P18X11		B65652B T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former P18X11		B65652B T 2	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former E70		B66372A1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ER42/22/15 Becher		B66348A2001T	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	EF25 choke		B66208A2010	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	clamp EF 12.6		B66202J2001X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer RM14		B65888B2005	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former PM 50X39		B65647A1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former P41X25		B65622A M 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer P36		B65612A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former P36X22		B65612B T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	adjusting screw N22 M2		B65549E 4X 23	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	threaded sleeve		B65549J 2	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer P14		B65542A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer P14X 8		B65542A5002	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former P14X8		B65542B T 2	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	adjusting screw N22 M2		B65549E 3X 23	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	adjusting screw SI 1 M2		B65549E 3X101	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer P11 X 7		B65532A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former P11X7		B65532B T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ER11 SMD choke		B65526A2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	threaded sleeve		B65518J3000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former P9X5		B65522B T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former P7X4		B65512C T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former P7X4		B65512C T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	screwdriver		B63399A1007	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	EPD30/15/9 choke		B66424B2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer RM10		B65814B2005	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer RM10 B		B65814B5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer RM12		B65816B5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer RM8		B65812A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer RM8		B65812A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer RM8		B65812C2005	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer RM 6		B65808C2005	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	adjusting screw M2.3 N22		B65579B 3X 23	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former RM12		B65816J1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer P14X 8		B65542A5002	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RM10 0/1 coil former		B65814J1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former RM10		B65814J1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	adjusting screw SI 1 M1.4		B65539C1002X101	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer P11X 7		B65532A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	P11X7 clamp		B65532B T 2	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	adjusting screw N22 M2		B65812B3001X 22	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	adjusting screw SI 1 M2		B65812B3001X101	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer RM 5		B65808B2005	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	washer RM14		B65808B5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	screwdriver		B63399B 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	EPD20/10/7 choke		B66418B2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	EPD25/13/9 choke		B66422B2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	EPD30/15/9 choke		B66424B2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD54 choke		B66396Y2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD54 choke		B66396Y2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD59 choke		B66398A2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD59 choke		B66398Y2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD59 choke		B66398Y2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	cover plate 13/EPD15		B66414A7000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	EPD15/8/5 choke		B66414B2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD44 choke		B66366A2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD44 choke		B66366Y2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD44 choke		B66366Y2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD49 choke		B66368A2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD49 choke		B66368Y2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD49 choke		B66368Y2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD34 choke		B66362A2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD34 choke		B66362Y2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD34 choke		B66362Y2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD39 choke		B66364A2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD39 choke		B66364Y2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD39 choke		B66364Y2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD29 choke		B66359Y2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD29 choke		B66359Y2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD34 choke		B66362A2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ETD29 choke		B66359A2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	coil former PM114X93		B65734S1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	cap E8.8		B66302A2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	EF16 L.AUSF. choke		B66308A2001X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

RoHS and Lead-free Information for EPCOS Products

as of July 21, 2005

***) RoHS compatible is defined as compatible with the following documents:**

DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM (2004) 606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

Product Family	Product Type	Range of ordering code	RoHS information					Resistance to soldering heat resistance according:				Soldering conditions			
			RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Maximum temperature / peak time / cycles	Backward compatible (leaded soldering process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component
	EF 16 choke	B66308A2010X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EI 32 clamp	B66288F2204X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EV 30 cap	B66298A2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	cap E 6.3	B66301B2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	cap E 6.3	B66301C2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EF32 choke	B66230A2010X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	E30 choke	B66232A2010X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former PM 62X38	B65695C1000T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EF12.6 choke	B66202A2010X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EF20 choke	B66206A2001X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EF20 choke	B66206A2010X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EF25 choke	B66208A2001X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EF25 choke	B66208A2010X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw M3 SI 1	B65679E 2X101	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	P28X16/2 coil former	B65672B T 2	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	P22X16 coil former	B65672B T 3	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM14	B65888B2005X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 7	B65820A5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 7	B65820C2005X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washerRM10 BAND	B65814B5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM12	B65816B5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM12	B65816D2005	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM12	B65816D2005X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM8	B65812C2005X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM10	B65814B2005X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve M2	B65808L3002X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 6 LP clamp	B65808P2204X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve	B65810L3002X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 8 E clamp	B65812A2204X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve	B65812A3001X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM8	B65812A5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw N22 M2.6	B65669D 7X 22	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw M2.6X0.35 K 1	B65669D 9X 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw N22 M2.6	B65669D 11X 22	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw N22 M2.6	B65669E 6X 22	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	P22X13 coil former	B65662B T 2	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former P22X13	B65662B T 3	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 6	B65808A5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 6	B65808C2005X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 6 E clamp	B65808J2204X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 6 E clamp	B65808J2204X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 6 O clamp	B65808J2206	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 5	B65806D2005X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	RM 5 E clamp	B65806J2204X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve M1.4	B65806K3002X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 6	B65808A5000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 4	B65804A5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 4	B65804C2005X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM 5 B	B65806A2025X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer RM5	B65806A5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve M3	B65679L 3X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P30	B65702A5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P30X19	B65702A5002	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	P30X19 cap	B65705A2000	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve M2	B65669J 2X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P22	B65662A5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P22X13	B65662A5002X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve	B65669L 4X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P20X16	B65672A5002X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P26	B65672B5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P18	B65652A5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P18X11	B65652A5002	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P18X11	B65652A5002X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw SI 1 M2	B65695F 4X101	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P14	B65542A5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P14X 8	B65542A5002X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former P14X8	B65542B T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve	B65549J 2X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P36	B65512A5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	threaded sleeve	B65518J3000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P9X 5	B65522A5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	ER11 SMD choke	B65526A2000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	washer P11 X 7	B65532A5000X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	screwdriver	B63399A1007X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	grip	B63399B 5	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	grip	B63399B 5X	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	magazine parts	C61035Z 26C 4	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	MAGAZINE RM4	C61035A 32C 52	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EF25 choke	B66208A2010	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	EF20 choke	B66206A2010	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former PS25	B65940B T 1	yes		SOP		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

RoHS and Lead-free Information for EPCOS Products

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			RoHS information					Resistance to soldering heat resistance according:				Lead-free soldering information				
Product Family	Product Type	Range of ordering code	RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Soldering conditions		Backward compatible (leaded soldering process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component
												Maximum temperature / peak time / cycles				
	coil former PS 47	B65944B T 1	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	coil former PS 68	B65946B T 1	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw K1 M1.4	B65512A3001X 1	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw U17 M1.4	B65512A3001X 17	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	adjusting screw K1 M1.2	B65496A3001X 1	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Ferrite Cores																
	MnZn Ferrite, NiZn Ferrites	B64*, B65*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	MnZn Ferrite, NiZn Ferrites	B66*, B67*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
PTC thermistors																
	Overcurrent protection, nonleaded disks	B59***A*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag
	Telecom, nonleaded disks	B59***A*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag
	Overcurrent protection, SMD	B59***A*	yes		SOP			n/a	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	n/a	Sn
	Switching application for motorstart, disk types	B59***A*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag
	Temperature Sensors, nonleaded disks	B59***A*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag
	Temperature Sensors, SMD	B59***A*	yes		SOP			n/a	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	n/a	Sn
	Heater application, nonleaded disks	B59***A*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag or Al
	Overcurrent protection, leaded disks	B59***B* a)	yes		03301	2003/07		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
	Overcurrent protection for Telecom, leaded disks	B59***B* a)	yes		03301	2003/07		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
	Overcurrent protection, leaded disks, encapsulated	B59***C*	yes		03301	2003/07		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
	Overcurrent protection for Telecom, disks encapsulated	B59***C*	yes		03301	2003/07		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
	Switching application, leaded disks, encapsulated	B59***C*	yes		03301	2003/07		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
	Temperature Sensors, leaded disks, encapsulated	B59***C*	yes		03301	2003/07		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
	Level Sensors, housing types	B59***D* c) d)	yes		SOP			yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
	Level Sensors, housing types	B59***E*	yes	Sep 2005			yes	no	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
	Heater application, ring disks, nonleaded	B59***F*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag or Al
	Overcurrent protection for Telecom, SMD types	B59***G* e)	yes		SOP			n/a	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	n/a	Sn
	Switching application, housing types	B59***J* h)	yes		SOP			yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Ag
	Switching application for motor start, housing types	B59***J* h)	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	no
	Degaussing, housing types	B59***J* h)	yes		SOP			yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
	Motor Protection, encapsulated types	B59***M*	yes		05265	2005/07	yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn
	Overcurrent Protection, SMD, encapsulated	B59***P1	yes		SOP			n/a	yes	yes	yes	260°C 10sec 3 cycles	yes	2a	n/a	Sn
	Telecom, metallized disks	B59***R*	yes		SOP			n/a	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	n/a	Sn
	Heating application, nonleaded rectangular element	B59***R*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag or Al
	Degaussing, leaded disks, encapsulated	B59***S f)	yes		leaded : 03301 housing ; SOP	leaded : 2003/07 housing ; SOP		leaded : yes housing ; n/a metallized disks :	n/a	n/a	n/a	260°C 10 sec 1 cycle	leaded : yes housing ; n/a metallized disks :	n/a	n/a	Sn or Ag
	Temperature Sensors, leaded disks, encapsulated	B59***S f)	yes		leaded : 03301 housing ; SOP	leaded : 2003/07 housing ; SOP		leaded : yes housing ; n/a metallized disks :	n/a	n/a	n/a	260°C 10 sec 1 cycle	leaded : yes housing ; n/a metallized disks :	n/a	n/a	Sn or Ag
	Switching application, leaded disks, encapsulated	B59***S f)	yes		leaded : 03301 housing ; SOP	leaded : 2003/07 housing ; SOP		leaded : yes housing ; n/a metallized disks :	n/a	n/a	n/a	260°C 10 sec 1 cycle	leaded : yes housing ; n/a metallized disks :	n/a	n/a	Sn or Ag
	Overcurrent protection	B59***S f)	yes		leaded : 03301 housing ; SOP	leaded : 2003/07 housing ; SOP		leaded : yes housing ; n/a metallized disks :	n/a	n/a	n/a	260°C 10 sec 1 cycle	leaded : yes housing ; n/a metallized disks :	n/a	n/a	Sn or Ag
	Overcurrent protection for Telecom	B59***S f)	yes		leaded : 03301 housing ; SOP	leaded : 2003/07 housing ; SOP		leaded : yes housing ; n/a metallized disks :	n/a	n/a	n/a	260°C 10 sec 1 cycle	leaded : yes housing ; n/a metallized disks :	n/a	n/a	Sn or Ag
	Degaussing, housing types	B59***T*	yes		SOP			yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
	Overcurrent protection for Telecom, housing types	B59***T*	yes		SOP			n/a	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	n/a	Sn
	Heating application	B59***U* g)	yes		leaded : 03301 housing ; SOP	leaded : 2003/07 housing ; SOP		leaded : yes housing ; n/a metallized disks :	n/a	n/a	n/a	260°C 10 sec 1 cycle	leaded : yes housing ; n/a metallized disks :	n/a	n/a	Ag or Al
	Degaussing application	B59***U* g)	yes		leaded : 03301 housing ; SOP	leaded : 2003/07 housing ; SOP		leaded : yes housing ; n/a metallized disks :	n/a	n/a	n/a	260°C 10 sec 1 cycle	leaded : yes housing ; n/a metallized disks :	n/a	n/a	Ag or Al
	Temperature sensor application	B59***U* g)	yes		leaded : 03301 housing ; SOP	leaded : 2003/07 housing ; SOP		leaded : yes housing ; n/a metallized disks :	n/a	n/a	n/a	260°C 10 sec 1 cycle	leaded : yes housing ; n/a metallized disks :	n/a	n/a	Ag or Al
	Overcurrent protection	B59***U* g)	yes		leaded : 03301 housing ; SOP	leaded : 2003/07 housing ; SOP		leaded : yes housing ; n/a metallized disks :	n/a	n/a	n/a	260°C 10 sec 1 cycle	leaded : yes housing ; n/a metallized disks :	n/a	n/a	Ag or Al
	Overcurrent protection for Telecom	B59***U* g)	yes		leaded : 03301 housing ; SOP	leaded : 2003/07 housing ; SOP		leaded : yes housing ; n/a metallized disks :	n/a	n/a	n/a	260°C 10 sec 1 cycle	leaded : yes housing ; n/a metallized disks :	n/a	n/a	Ag or Al
a) except	Overcurrent protection, leaded rds, uncoated	B5940*B*	no	Aug 2005				yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
c) except	Temperature Sensors, Probe Assemblies	B59801D*	yes		03301	2003/07		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
d) except	Temperature Sensors, Probe Assemblies	B59901D*	no	Sep 2005				yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
e) except	Heating application, leaded type	B59***G1*	yes		03301	2003/07		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
f) except	Heating application, housing types	B59***S1*	yes		05265	2005/07		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn
	Motor Protection, encapsulated types	B59***S1*	yes		05265	2005/07		yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn
g) except	Motor Protection, encapsulated types	B59***U1*	yes		05265	2005/07		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn
h) except	Heating application, housing types	B59***J1*	yes		03301	2003/07		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
Ceramic Capacitors																
		B37*** a) b) c)	yes		SOP			yes, if component is approved for wave soldering (please see page 209 of EPCOS databook 2003)								
a) except	MLCC	B37***J c)	yes		SOP			no	no	no	no	260°C 10sec 3 cycles	yes	n/a	n/a	AgPd
b) except	MLCC leaded	B37***G/M/N/F	yes		03501	2003/12		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn
c) except	MLCC SMD COG	B37920*	yes		01405	2001/10		yes	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	n/a	Sn, AgPd
		B37930*	yes		01405	2001/10		yes	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	n/a	Sn, AgPd
		B37940*	yes		01405	2001/10		yes	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	n/a	Sn, AgPd
		B37871*	yes		01405	2001/10		yes	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	n/a	Sn, AgPd
Varistors																
	SMD															
	CT-Types	B72***T*	yes		03012	2003/01		n/a	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	n/a	Sn
	CN-Types	B72***V*	yes		SOP			no	no	no	no	260°C 10sec 3 cycles	yes	n/a	n/a	AgPd
	Arrays	B72***A*	yes		03012	2003/01		n/a	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	n/a	Sn
	CUL-Types	B72***M	yes		SOP			n/a	yes	yes	yes	260°C 10sec 3 cycles	yes	2a	n/a	Sn
	SHCV-Types	B725**E/G/H/J/L	yes		02012	2002/01		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	n/a	Sn

RoHS and Lead-free Information for EPCOS Products

as of July 21, 2005

*) RoHS compatible is defined as compatible with the following documents:

DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM (2004) 606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

				RoHS information					Resistance to soldering heat resistance according:				Lead-free soldering information			
Product Family	Product Type	Range of ordering code	RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Soldering conditions		Backward compatible (leaded soldering process) if Pb free terminals	MSL (Jedec 20 B/C)	Plating of terminals of RoHS compatible component
												Maximum temperature / peak time / cycles				
Non-SMD	Disk Varistors	B72***S*	yes		05265	2005/07		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn	
		B72***Q*	yes		05265	2005/07		yes	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn	
	Strap Varistors	B72***L*	no	Sep 2005			yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn	
	Block Varistors	B72***B*	no	Oct 2005			yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn	
NTC thermistors	SMD, Ag/Ni/Sn	B57***V*	yes		SOP			n/a	yes	yes	yes	260°C 10sec 3 cycles	yes	n/a	Sn	
	SMD, AgPd	B57***C*	yes		SOP			n/a	no	no	no	260°C 10sec 3 cycles	yes	n/a	AgPd	
	Leadless disks	B57150K*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag	
	Leadless disks	B57220K*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag	
	Leadless disks	B57350K*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag	
	Leadless disks	B57820K*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag	
	Leadless disks	B57820M*	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag	
	Leaded disks	B57164K*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Leaded disks	B57891M*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Leaded disks	B57871S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Leaded disks	B57875S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Leaded disks	B57881S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Leaded disks	B57885S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Leaded disks	B57891S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Miniature Sensors	B57867S*	yes		SOP			yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn or Ag
	Miniature Sensors	B57868S*	yes		SOP			yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn or Ag
	Miniature Sensors	B57861S*	yes		SOP			yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn or Ag
	Miniature Sensors	B57862S*	yes		SOP			yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn or Ag
	Miniature Sensors	B57863S*	yes		SOP			yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn or Ag
	Glass-encapsulated Sensors	B57540G* a)	yes		SOP											
	Glass-encapsulated Sensors	B57550G* b)	yes		SOP			yes (except Cu-terminated types)	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes (except Cu-terminated types)	n/a	Cu or Sn
	Glass-encapsulated Sensors	B57560G* c)	yes		SOP											
	Glass-encapsulated Sensors	B57660G*	yes		SOP											
	Glass-encapsulated Sensors	B57750G*	yes		SOP											
	Inrush Current Limiting	B57153S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Inrush Current Limiting	B57234S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Inrush Current Limiting	B57235S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Inrush Current Limiting	B57236S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Inrush Current Limiting	B57237S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Inrush Current Limiting	B57238S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Inrush Current Limiting	B57364S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
	Inrush Current Limiting	B57464S*	yes		01305	2001/07		yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Sn
Probe Assemblies	B5727K*	yes		04405	2004/10		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn or Cu/NiZn	
Probe Assemblies	B5727Z*	yes		04405	2004/10		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn or Cu/NiZn	
Probe Assemblies	B570*0M2*	yes		05265	2005/07		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Cu or Sn	
Probe Assemblies	B57045K*	no	Sep 2005			yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn	
Probe Assemblies	B57227K*	no	Aug 2005			yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ag	
Probe Assemblies	B57252K*	no	Sep 2005			yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn	
Probe Assemblies	B575*0M*	no	Sep 2005			yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn	
Probe Assemblies	B5750*K*	no	Sep 2005			yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn	
Probe Assemblies	B5770*M*	no	Sep 2005			yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn or Ag	
Probe Assemblies	B5773*M*	no	Sep 2005			yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Cu or Sn	
Probe Assemblies	B5783*M*	no	Sep 2005			yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Cu or Sn	
a) except	Glass-encapsulated Sensors	B57540G*****2	yes		04495	2004/12	yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Ni	
b) except	Glass-encapsulated Sensors	B57550G*****2	yes		04495	2004/12	yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Ni	
c) except	Glass-encapsulated Sensors	B57560G*****2	yes		04495	2004/12	yes	n/a	n/a	n/a	n/a	260°C 10 sec 1 cycle	yes	n/a	Ni	
Piezo Stacks		B580xx (xx < 60)	yes		SOP			n/a	n/a	n/a	n/a	n/a	n/a	n/a	Sn	

RoHS and Lead-free Information for EPCOS Products

as of July 21, 2005

***) RoHS compatible is defined as compatible with the following documents:**

DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM (2004) 606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment

				RoHS information					Lead-free soldering information					
Product Family	Product Type	Range of ordering code	RoHS compatible*)	Planned start of production of RoHS compatible components	RoHS compatible since date code or Start of production (SOP)	Date code translation (see end of file for details)	Samples of RoHS compatible components available	Resistance to soldering heat resistance according:				Soldering conditions		
								IEC 60068-2-20 (wave soldering)	IEC 60068-2-58 (Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Maximum temperature / peak time / cycles	Backward compatible (leaded soldering process) if Pb free terminals	MSL (Jedec 20 B/C)

Date code translation:

Product	Code (Example)	Translation	Details
SAW Filters	M-1-P-N	Site-day-year-month	Day Year Month 1-9=1-9; 10=0, 11=A, 12=B, 13=C, 14=D, 15=E, 16=F, 17=H, 18=J, 19=K, 20=L, 21=M, 22=N, 23=P, 24=R, 25=S, 26=T, 27=U, 28=V, 29=W, 30=X, 31=Z 1998=K, 1999=L, 2000=M, 2001=N, 2002=P, 2003=R, 2004=S, 2005=T, 2006=U January-September=1-9; October=O; November=N, December=D
Aluminum Electrolytic Capacitors	05-04	Month-year	Year Month 1998=K, 1999=L, 2000=M, 2001=N, 2002=P, 2003=R, 2004=S, 2005=T, 2006=U January-September=1-9; October=O; November=N, December=D
Tantalum Electrolytic Capacitors	P-O	Year-month	Year Month 1998=K, 1999=L, 2000=M, 2001=N, 2002=P, 2003=R, 2004=S, 2005=T, 2006=U January-September=1-9; October=O; November=N, December=D
SMT Ferrite Beads	4-46-1	Year-week-day of week	Year-week-day of week
VHF Chokes	04-11-11 or 4-46-1	YY-MM-DD Year-week-day of week	YY-MM-DD Year-week-day of week
I-Core Chokes	10-04	Month-year	Month-year
Sine-Wave Chokes	12-01	Week-Year	Week-Year
Ring Core Chokes	04-05	Month-year	Month-year
D-Core Chokes	12-01	Week-Year	Week-Year
Data Line Ring Core Chokes	2-01-2	Year-week-day of week	Year-week-day of week
Filters	05-13-5 or 04-05	Year-week-day of week Month-year	Year-week-day of week Month-year
Ferrite Accessories	04-17-4	Year-week-day of week	Year-week-day of week
PTC Thermistors	03-30-1	Year-week-day of week	Year-week-day of week
NTC Thermistors	01-30-5	Year-week-day of week	Year-week-day of week