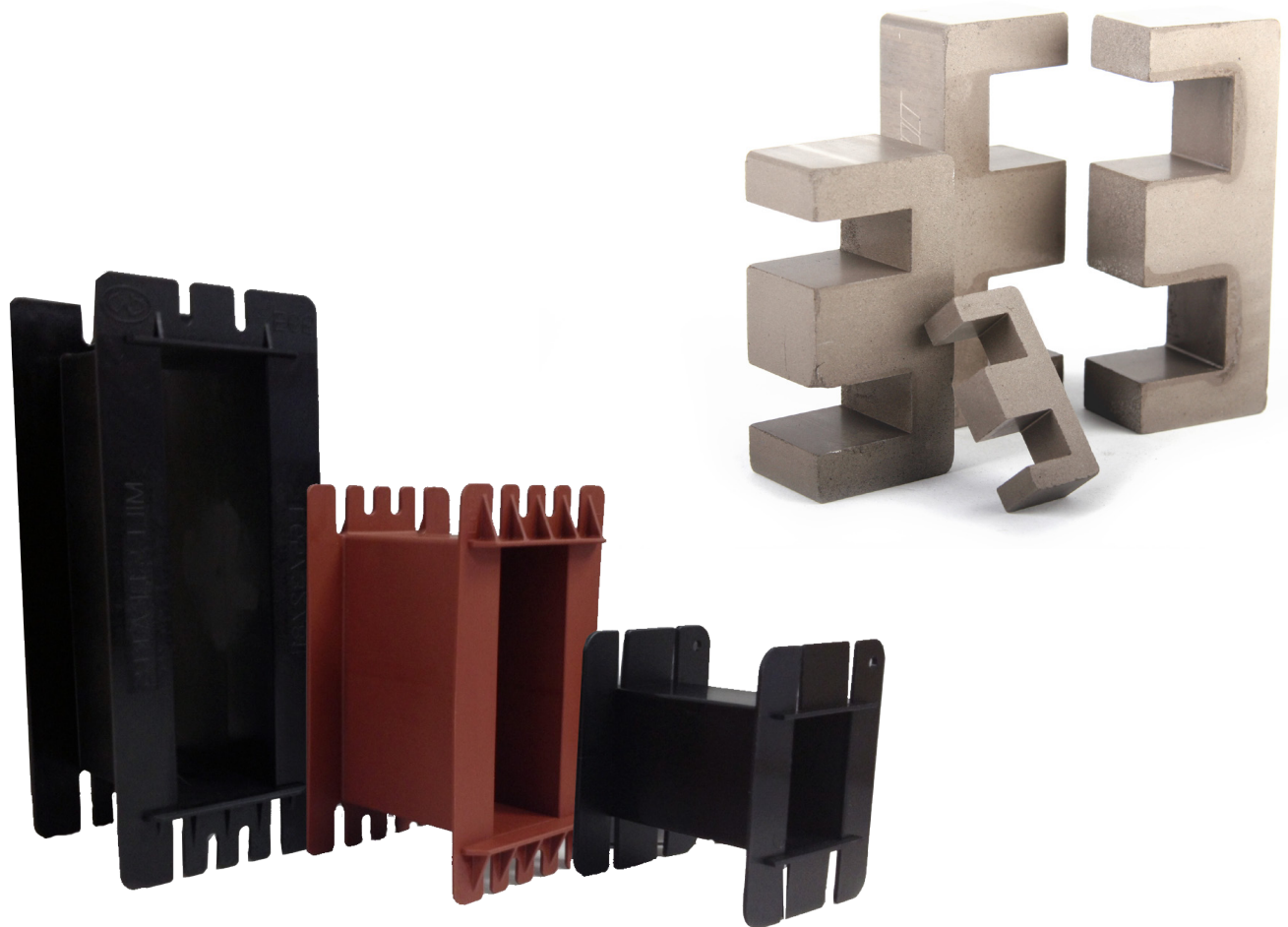




SINGLE, DOUBLE, TRIPLE STACK BOBBINS FOR FERRITE AND POWDER E-CORES

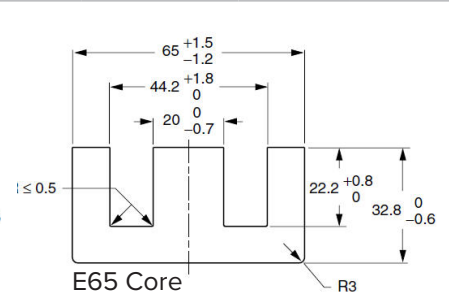
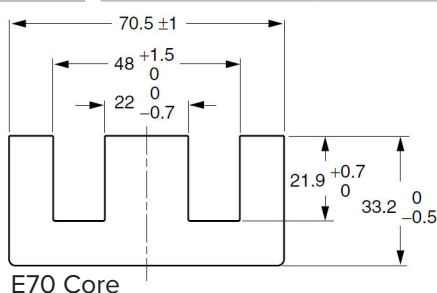
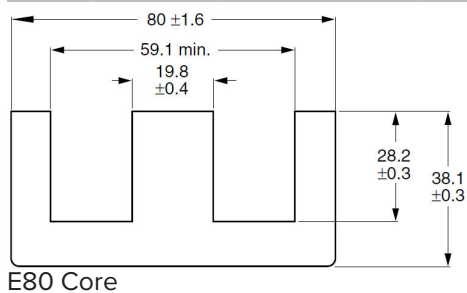
MILES-PLATTS



CORES

BOBBINS

Grade	Mfg	Material Type	Material Grade	Part Number		Mfg	Part Number	Material	Insulation System	Flammability Rating	
E65	Magnetics	Kool Mu	26	00K6527E026	E65 Single Stack	Miles-Platts	FE0360FR3BLK	Polyethylene Terephthalate (PET)	Class N, 200°C	UL 94 V-0	
		Kool Mu	40	00K6527E040		Magnetics	00B652701	Polyethylene Terephthalate (PET)	Class N, 200°C	UL 94 V-0	
		Kool Mu	60	00K6527E060		Ferroxcube	CP-E65-1S-T	Polyethylene Terephthalate (PET)	Class B, 130°C	UL 94 V-0	
		XFlux	26	00X6527E026							
		XFlux	40	00X6527E040							
		Ferrite	P	0P46527EC							
		Ferrite	R	0R46527EC							
	EPCOS	Ferrite	N27	B66387G0000X127	E65 Double Stack	Miles-Platts	FE0370FR3BLK	Polyethylene Terephthalate (PET)	Class N, 200°C	UL 94 V-0	
		Ferrite	N87	B66387G0000X187		Magnetics	00B6527C1	30% Glass Filled Nylon (PA66)	Class F, 155°C	UL 94 HB	
		Ferrite	N95	B66387G0000X195		EPCOS	B66388A2000T001	Polyphenylene Sulfide (PPS)	Class F, 155°C	UL 94 V-0	
	Ferroxcube	Ferrite	3C90	E65/32/27-3C90		E65 Triple Stack	Miles-Platts	FE0380FR3BLK	Polyethylene Terephthalate (PET)	Class N, 200°C	UL 94 V-0
		Ferrite	3C92	E65/32/27-3C92							
		Ferrite	3C94	E65/32/27-3C94							
		Ferrite	3C95	E65/32/27-3C95							
		Ferrite	3F3	E65/32/27-3F3							
	Fair-Rite	Ferrite	78	9478117002							
		Ferrite	98	9498117002							
E70	Magnetics	Ferrite	P	0P47133EC	E70 Single Stack	Miles-Platts	FE0390FR3BLK	Polyethylene Terephthalate (PET)	Class N, 200°C	UL 94 V-0	
		Ferrite	R	0R47133EC							
		Ferrite	T	0T47133EC							
	EPCOS	Ferrite	N27	B66371G0000X127	E70 Double Stack	Miles-Platts	FE0400FR3BLK	Polyethylene Terephthalate (PET)	Class N, 200°C	UL 94 V-0	
		Ferrite	N87	B66371G0000X187		EPCOS	B66372A2000T001	Polyphenylene Sulfide (PPS)	Class F, 155°C	UL 94 V-0	
	Ferroxcube	Ferrite	3C90	E71/33/32-3C90		E70 Triple Stack	Miles-Platts	FE0410FR3BLK	Polyethylene Terephthalate (PET)	Class N, 200°C	UL 94 V-0
		Ferrite	3C92	E71/33/32-3C92							
		Ferrite	3C94	E71/33/32-3C94							
		Ferrite	3C95	E71/33/32-3C95							
		Ferrite	3C96	E71/33/32-3C96							
		Ferrite	3C97	E71/33/32-3C97							
		Ferrite	3F3	E71/33/32-3F3							
E80	Magnetics	Kool Mu	26	00K8020E026	E80 Single Stack	Miles-Platts	FE0420FR3BLK	Polyethylene Terephthalate (PET)	Class N, 200°C	UL 94 V-0	
		Kool Mu	40	00K8020E040							
		Kool Mu	60	00K8020E060							
		XFlux	26	00X8020E026		Magnetics	00B802001	25% Glass Filled Nylon (PA66)	Class F, 155°C	UL 94 V-0	
		XFlux	40	00X8020E040							
		Ferrite	P	0P48020EC							
		Ferrite	R	0R48020EC							
		Ferrite	T	0T48020EC							
	EPCOS	Ferrite	N27	B66375G0000X127	E80 Double Stack	Miles-Platts	FE0430FR3BLK	Polyethylene Terephthalate (PET)	Class N, 200°C	UL 94 V-0	
		Ferrite	N87	B66375G0000X187							
		Ferrite	N95	B66375G0000X195							
	Ferroxcube	Ferrite	3C90	E80/38/20-3C90		E80 Triple Stack	Miles-Platts	FE0440FR3BLK	Polyethylene Terephthalate (PET)	Class N, 200°C	UL 94 V-0
		Ferrite	3C92	E80/38/20-3C92							
		Ferrite	3C94	E80/38/20-3C94							
		Ferrite	3C95	E80/38/20-3C95							
		Ferrite	3C96	E80/38/20-3C96							
		Ferrite	3C97	E80/38/20-3C97							
		Ferrite	3F3	E80/38/20-3F3							

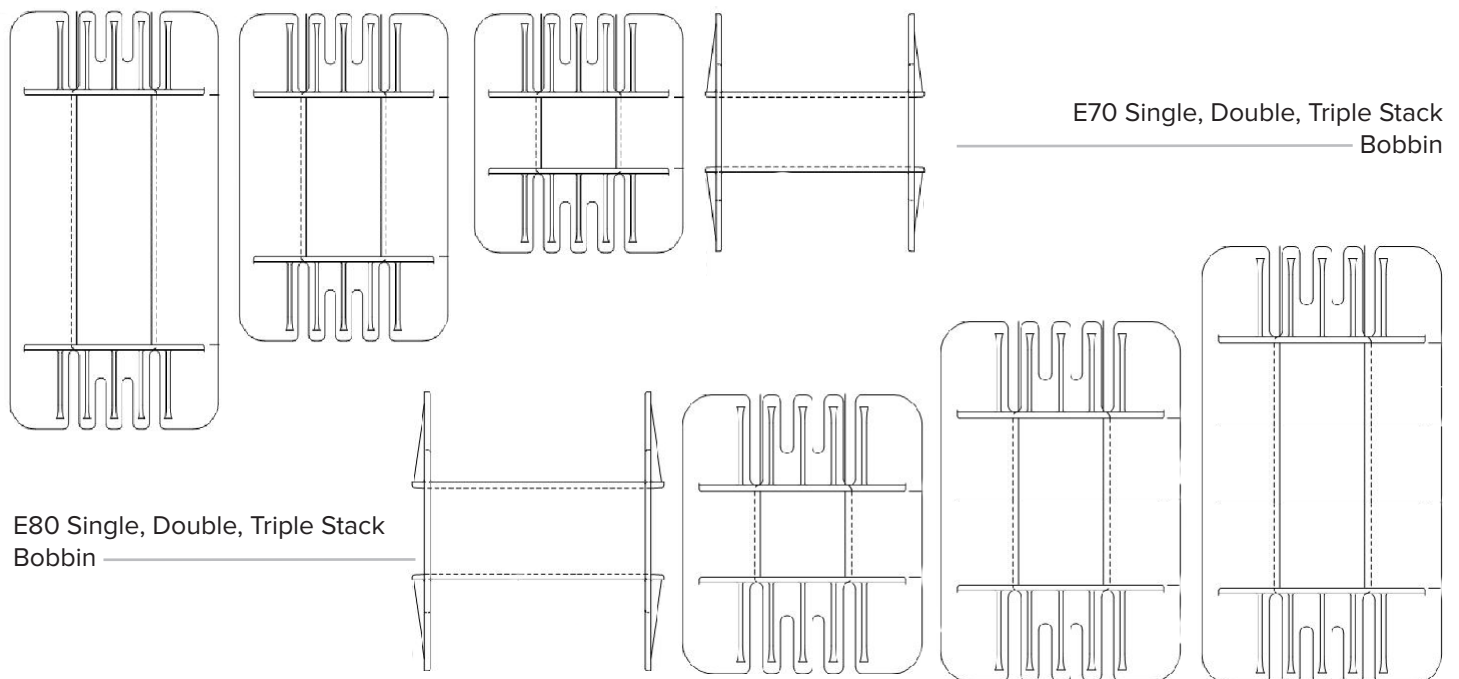


MATERIAL INFORMATION

Powder Cores	Material Type	Material Grade	Details
Magnetics	Kool Mu	26	Kool Mu® material's low loss and relatively high saturation level (10,500 gauss) make it excellent for use in power factor correction circuits (PFC) as well as unidirectional drive applications such as Pulse Transformers and Flyback Transformers. The near zero magnetostriction makes Kool Mu ideal for eliminating audible frequency noise in In-Line Noise Filters and Inductors.
	Kool Mu	40	
	Kool Mu	60	
	XFlux	26	XFLUX® cores offer an economical high saturation (1.6 Tesla) solution for use in low and medium frequency inductors and chokes. The high saturation is advantageous in applications where inductance under load is critical such as inverters for alternative energy, PFC boost, and UPS.
	XFlux	40	

Ferrite Cores	Material Type	Material Grade	μ_i	B_{sat} (mT) @ 25°C (1200A/m)	Curie Temp.	Optimal Frequency	Advantage
Magnetics	Ferrite	P	2500		210		Low losses at 95C
	Ferrite	T	3000		220	20 to 750 KHz	Wide temperature range
	Ferrite	R	2300		210		
EPCOS	Ferrite	N27	2000	500	220	25 to 150 KHz	Low cost, high power
	Ferrite	N87	2200	490	210	25 to 500 KHz	Standard material
	Ferrite	N95	2000	525	220	25 to 500 KHz	Flat Temperature behavior
Ferroxcube	Ferrite	3C90	2300	470	220	<0.2 MHz	Min loss at 100C
	Ferrite	3C92	1500	540	280	<0.2 MHz	High Bsat
	Ferrite	3C94	2300	470	220	<0.3 MHz	Min loss @ 100C
	Ferrite	3C95	3000	530	215	<0.5 MHz	Flat Loss @25-100c
	Ferrite	3C96	2000	500	240	<0.4 MHz	Min loss @ 100C
	Ferrite	3C97	3000	530	215	<0.5 MHz	Flat Loss @60-140c
	Ferrite	3F3	2000	440	200	0.2 to 0.5 MHz	Optimal frequency ≤ 400 kHz
Fair-Rite	Ferrite	78	2300		200	<200 KHz	Frequencies up to 200 kHz
	Ferrite	98	2400		215	<200 KHz	Min loss @ 100C

Bobbins	Material Type	Material Grade	Details
Miles-Platts	Thermoplastic Polyesters	PBT / PET	These materials are increasingly selected for applications where high stiffness, low moisture absorption, dimensional and thermal stability characteristics are required. Available in Class B, Class F or Class N
	Polyphenylene Sulfide	PPS	PPS has a high resistance to deformation, benefiting from extreme stiffness and is very stable at high temperatures. PPS is inherently flame retardant. Available in Class F
	Nylon 66	PA66	(Glass Reinforced) Used in the majority of coil bobbin applications due to its good electrical and flammability properties and ability to mold thin sections whilst retaining a high degree of stiffness. Glass Reinforced Nylon 66 has a recommended temperature rating of Class B (130°C). Some grades have UL 1446 insulation systems up to Class F (155°C).



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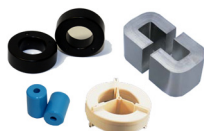
Ferrite Cores

- MnZn
- NiZn



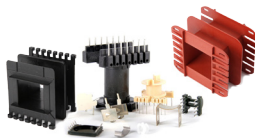
Powder Cores

- MPP
- Kool Mu®
- High Flux
- XFlux®
- AmoFlux®



Amorphous & Nanocrystalline Cores

- AMOBEADS®
- FINEMET®
- SPIKE KILLER®
- Metglas®



Bobbins & Mounting Hardware

- Surface Mount
- Through Hole
- Toroid Mounts
- Laminated Bobbins

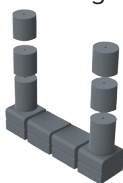


Electronics

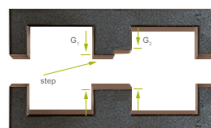
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- Beads-on-leads
- Chokes / Filters

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