



Pot Cores

Section 6

POT CORES

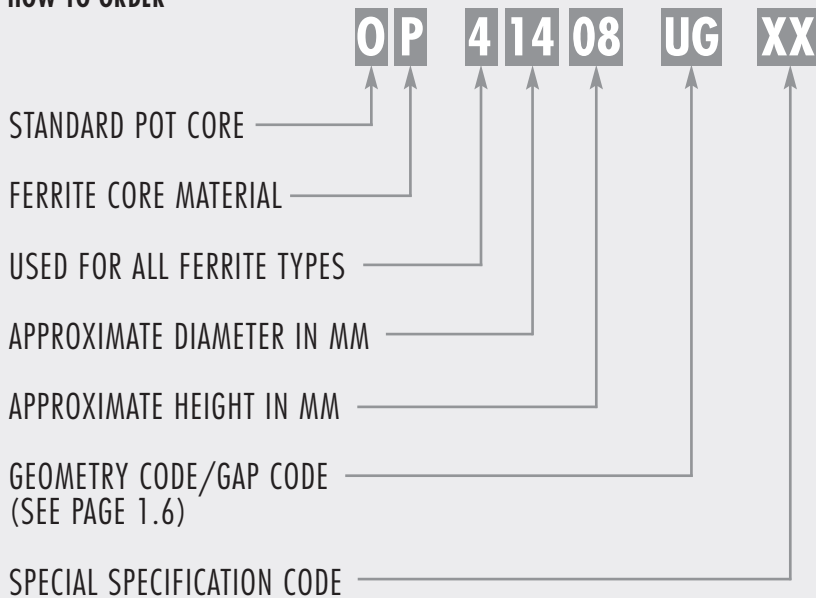
The pot core shape is a convenient means of adjusting the ferrite structure to meet the specific requirements of an application. Both high circuit Q and good temperature stability of inductance can be obtained with these cores. Pot cores, when assembled, nearly surround the wound bobbin. This self-shielded geometry isolates the winding from stray magnetic fields or effects from other surrounding circuit elements.

Both plain and printed circuit bobbins are available, as are mounting and assembly hardware.

Typical applications for pot cores include; differential inductors, power transformers, power inductors, converter and inverter transformers, filters, both broadband and narrow transformers and telecom inductors.

Magnetics produces a wide variety of sizes, which include fourteen (14) international standard sizes. Standard pot cores are ungapped, but any practical gap is also available (see page 1.8-1.11)

HOW TO ORDER



Pot Core Data (ungapped)

Any practical gap available. See pages 1.8-1.11

MECHANICAL DIMENSIONS												
PART	FIG.		A	B	2B	C	D	2D	E	F	G	H
0_40302UG	1	mm	3.940 ± .080	.953 ± .050	1.910 ± .100	-	.445 min	.889 min	2.92 min	1.45 max	.813 ± .100	-
		in	1.55 ± .003	.0375 ± .002	.075 ± .004	-	.0175 min	.035 min	.115 min	.057 max	.032 ± .004	-
0_40506UG	1	mm	4.570 ± .127	2.03 ± .050	4.06 ± .100	-	1.340 min	2.690 min	3.680 min	2.200 max	1.30 ± .100	-
		in	.180 ± .005	.080 ± .002	.160 ± .004	-	.053 min	.106 min	.145 min	.087 max	.051 ± .004	-
0_40507UG	2	mm	5.720 ± .080	1.620 ± .050	3.250 ± .100	-	1.090 min	2.180 min	4.490 min	2.490 max	1.50 ± .100	.991 ± .050
		in	.225 ± .003	.064 ± .002	.128 ± .004	-	.043 min	.86 min	.177 min	.098 max	.059 ± .004	.039 ± .002
0_40704UG	3	mm	7.240 ± .150	2.080 ± .050	4.160 ± .100	4.720 nom	1.400 min	2.790 min	5.740 min	3.000 max	1.520 min	1.09 ± .050
		in	.285 ± .006	.082 ± .002	.164 ± .004	.186 nom	.055 min	.110 min	.226 min	.118 max	.060 min	.043 ± .002
0_40903UG	3	mm	9.14 ± .15	1.524 ± .000,-.120	3.05 ± .120	6.6 nom	.749 min	1.50 min	7.49 min	3.88 max	1.78 min	2.01 ± .05
		in	.360 ± .006	.060 ± .000,-.005	.120 ± .005	.260 nom	.0295 min	.059 min	.295 min	.153 max	.070 min	.079 ± .05
0_40905UG	3	mm	9.3 + 0, -3	2.7 + 0, -15	5.4 + 0, -3	6.5 ± .25	1.8 + .15,-0	3.6 + .3,-0	7.5 + .25,-0	3.9 + 0, -2	2 ± .2	2.04 + .06,-0
0_41107UG	4	mm	11.1 ± .2	3.25 ± .05	6.5 ± .1	6.80 ± .25	2.2 + .15,-0	4.4 + .3,-0	9 + .4,-0	4.7 + 0,-2	2.2 ± .3	2.1 ± 0.1
0_41408UG	4	mm	143 + .000,-500	4.2 ± .050	8.4 ± .100	9.500 nom	2.80 min	5.6 min	11.600 min	6.0 max	2.70 min	3.00 + .010,-000
		in	.553 ± .010	.067 ± .000,-.005	.334 + .000,-.011	.376 nom	.110 min	.220 min	.457 min	.236 max	.120 min	.122 ± .003

To order, add material code to part number.

FIGURE 1

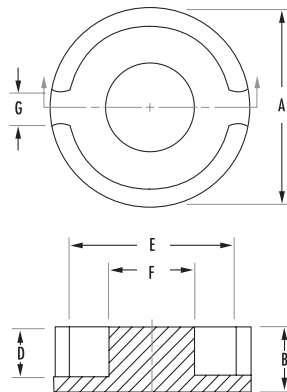
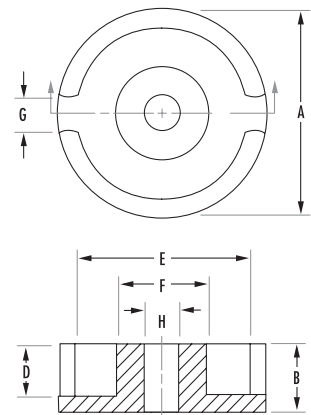


FIGURE 2



Pot Core Data (ungapped)

Pot Cores

A_L (mH/1000T)

POWER MATERIALS			HIGH PERMEABILITY MATERIALS		MAGNETIC DATA						AVAILABLE HARDWARE					
	R	P	F*	J	W	l_e (mm)	A_e (mm ²)	A_{MIN} (mm ²)	V_e (mm ³)	CORE WEIGHT (grams per set)	W_{Ac}	STANDARD BOBBIN	PRINTED CIRCUIT BOBBIN	MOUNTING CLAMP	SURFACE MOUNT HEADER	TUNING ASSEMBLY**
Nom			350		-	4.29	2.1	1.5	9.0	0.076	-					
						<i>Note: +/- 35% for Ind. specs</i>										
Nom			500	606	-	8.88	4.1	3.6	36.0	0.210	-	✓				
						<i>Note: +40%/-30% for Ind. specs</i>										
Nom			775	930	-	7.75	4.4	3.9	34.0	0.200	-					
						<i>Note: +40%/-30% for Ind. specs</i>										
Min	620	675	1,200	1,580	3,000	9.9	7.0	5.9	69.0	0.500	-	✓				
						<i>Note: +40%/-30% for F</i>										
Min	865	940	1,670	2,200	4,150	6.24	6.1	-	38.0	0.1843	-					
Min	760	825	1,365	2,045	4,220	12.5	10.1	8.0	126	1.000	0.003	✓		✓		
Min	1,150	1,250	1,667	2,925	5,750	15.5	16.2	13.2	251	1.8	0.00815	✓		✓	✓	
Min	1,540	1,680	2,800	3,805	6,300	19.8	25.1	19.8	495	3.200	0.024	✓	✓	✓	✓	

* F material nominal $\pm 25\%$ except where noted
 ** See page 5.6 for tuning assembly information

FIGURE 3

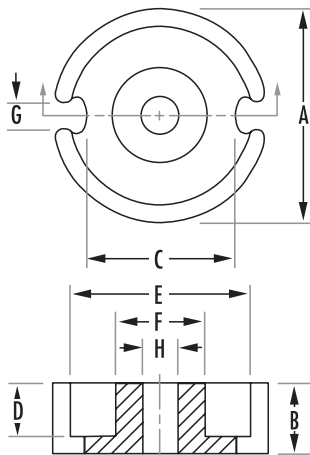
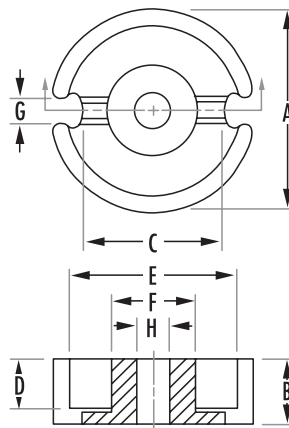


FIGURE 4



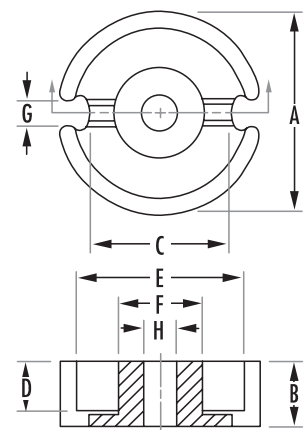
Pot Core Data (ungapped)

Any practical gap available. See pages 1.8-1.11

MECHANICAL DIMENSIONS												
PART	FIG.		A	B	2B	C	D	2D	E	F	G	H
0_41811UG	4	mm	18±.4	5.3±.05	10.6±.1	13.4±.3	3.7±.1	7.4±.2	15.15±.25	7.45±.15	3.8±0.6	3.1±.1
0_42213UG	4	mm	22+0,-.8	6.7±.1	13.4±.2	15±.4	4.6+ .2,-0	9.2+ .4,-0	17.9+ .6,-0	9.4+0,-.3	3.8±.6	4.4+ .3,-0
0_42616UG	4	mm	25.5±.5	8.05±.1	16.1±.2	18±.4	5.5+2,-0	11+4,-0	21.6±.4	11.3±.2	3.8±.6	5.5±.1
0_43019UG	4	mm	30±.5	9.45±.05	18.9±.1	20.5±.5	6.6±.1	13.2±.2	25.4±.4	13.3±.2	4.3±.6	5.5±.1
0_43622UG	4	mm	35.6±.6	10.95±.05	21.9±.1	26.2±.6	7.4±.1	14.8±.2	30.4±.5	15.9±.3	4.9±.6	5.55±.15
0_44229UG	4	mm	42.400±.710	14.800±.200	29.600±.410	32.000 nom	10.200 min	20.400 min	35.600 min	17.700 max	4.490 min	5.5600±.100
		in	1.669±.028	.582±.008	1.164±.016	1.260 nom	.402 min	.804 min	1.402 min	.697 max	.177 min	.219±.004
0_44529UG	4	mm	45.000±.900	14.600±.100	29.200±.200	32.990±.510	9.400 min	18.800 min	36.500 min	20.700 max	4.490 min	5.560±.130
		in	1.772±.035	.575±.004	1.150±.008	1.299±.020	.370 min	.740 min	1.438 min	.814 max	.177 min	.219±.005

To order, add material code to part number.

FIGURE 4



Pot Core Data (ungapped)

Pot Cores

A_L (mH/1000T)						MAGNETIC DATA						AVAILABLE HARDWARE				
POWER MATERIALS			HIGH PERMEABILITY MATERIALS			l_e (mm)	A_e (mm ²)	A_{MIN} (mm ²)	V_e (mm ³)	CORE WEIGHT (grams per set)	W_{aAc}	STANDARD BOBBIN	PRINTED CIRCUIT BOBBIN	MOUNTING CLAMP	SURFACE MOUNT HEADER	TUNING ASSEMBLY**
R	P	F*	J	W												
Min 2,300	2,500	4,000	5,625	8,400	25.8	43.3	36	1120	7.3	0.073	✓	✓	✓	✓	✓	
Min 3,030	3,300	4,900	6,825	11,200	31.5	63.4	50.9	2000	13	0.187	✓	✓	✓		✓	
Min 3,910	4,250	6,350	8,775	14,000	37.6	93.9	77.4	3530	20	0.392	✓	✓	✓		✓	
Min 5,010	5,450	8,100	10,200	18,750	45.2	137	116	6190	34	0.737	✓	✓	✓		✓	
Min 6,530	7,100	10,200	13,125	24,500	53.2	202	172	10700	57	1.53	✓	✓	✓		✓	
Min 6,900	7,500	12,000	15,000	28,000	68.5	266.0	213.0	18200	104.0	3.69	✓		✓		✓	
Min 9,660	10,500	14,300	18,750	35,000	67.2	360.0	299.0	24200	149.6	3.85	✓					

* F material nominal \pm 25%

** See page 5.6 for tuning assembly information

Bobbins

PART	FIG.	CORE SIZE	MECHANICAL DIMENSIONS							NOMINAL WINDING AREA PER SECTION		AVERAGE LENGTH OF TURN FT	MATERIAL
			A MAX	B MAX	C MIN	D MAX	E NOM	F NOM	in ²	cm ²			
00B050601	1	40506	mm	3.657	2.540	2.260	2.667	2.006	0.355	0.00150	0.0097	0.0322	Thermoplastic polyester (PET)
			in	0.144	0.100	0.089	0.105	0.079	0.014				
00B070401	2	40704	mm	5.740	2.743	3.048	3.657	2.082	-	0.00380	0.0250	0.0479	Glass-filled nylon
			in	0.226	0.108	0.120	0.144	0.082	-				
00B090501	3	40905	mm	7.416	3.530	3.962	5.181	2.540	-	0.00470	0.0300	0.0633	Delrin
			in	0.292	0.139	0.156	0.204	0.100	-				
00B090501FR	3	40905	mm	7.416	3.530	3.962	5.181	2.540	-	0.00470	0.0300	0.0633	Crastin S660FR
			in	0.292	0.139	0.156	0.204	0.100	-				
00B110701	3	41107	mm	8.915	4.318	4.775	5.994	3.327	-	0.00785	0.0500	0.0751	Delrin
			in	0.351	0.170	0.188	0.236	0.131	-				
00B110702 2 Section	3	41107	mm	8.915	4.318	4.775	5.994	1.447	-	0.00342	0.0220	0.0751	Delrin
			in	0.351	0.170	0.188	0.236	0.057	-				
00B140801	3	41408	mm	11.53	5.511	6.070	7.289	4.521	-	0.01530	0.0980	0.0953	Delrin
			in	0.454	0.217	0.239	0.287	0.178	-				
00B140802 2 Section	3	41408	mm	11.53	5.511	6.070	7.289	2.032	-	0.00688	0.0440	0.0953	Delrin
			in	0.454	0.217	0.239	0.287	0.080	-				
00B140802FR 2 Section	3	41408	mm	11.53	5.511	6.070	7.289	2.032	-	0.00688	0.0440	0.0953	Crastin S660FR
			in	0.454	0.217	0.239	0.287	0.080	-				

FIGURE 1

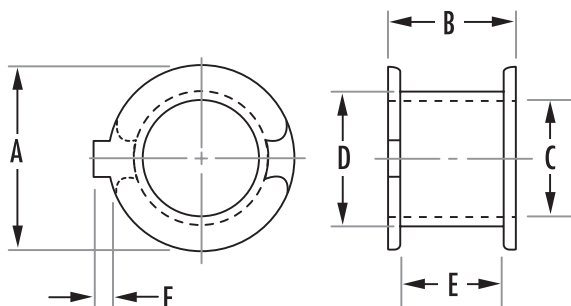
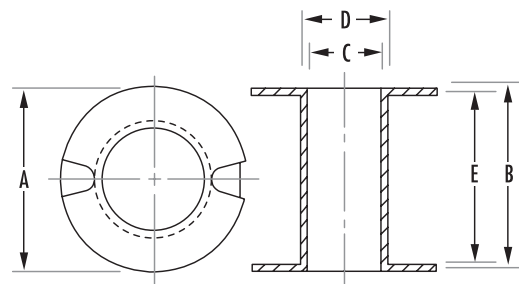


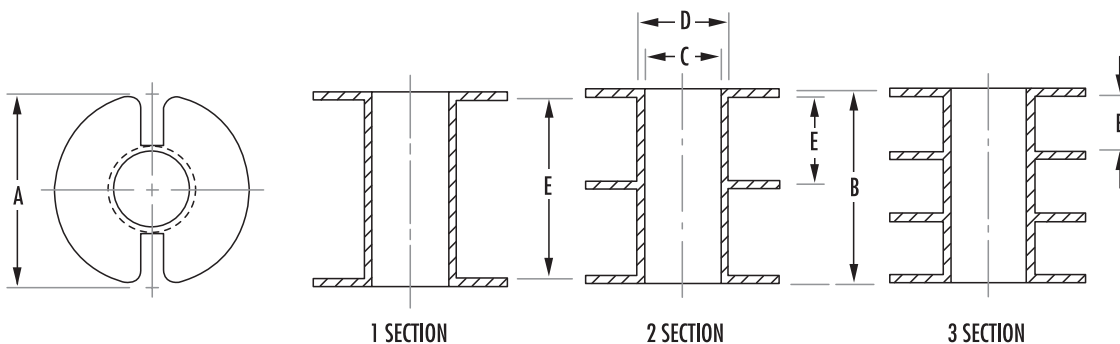
FIGURE 2



Bobbins

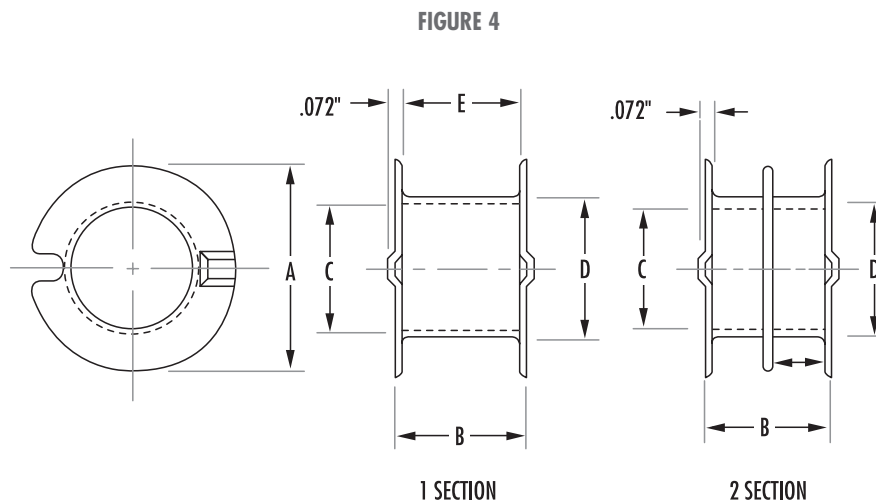
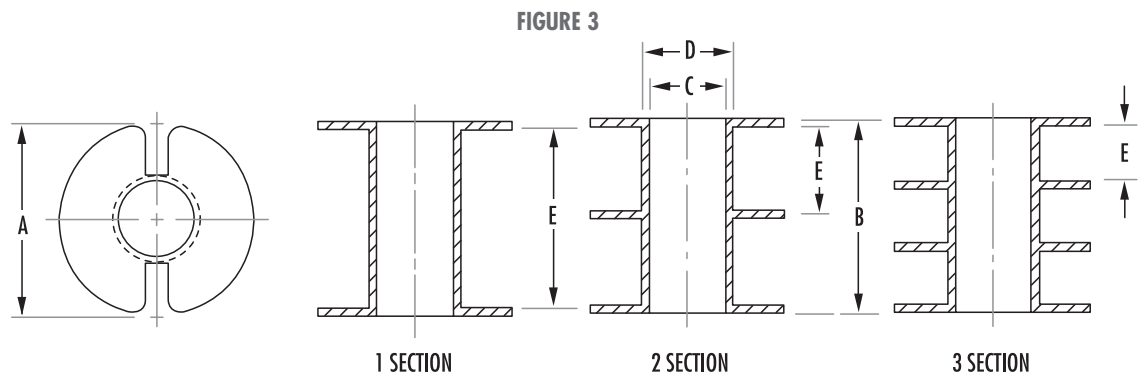
PART	FIG.	CORE SIZE	MECHANICAL DIMENSIONS						NOMINAL WINDING AREA PER SECTION		AVERAGE LENGTH OF TURN FT	MATERIAL	
			A MAX	B MAX	C MIN	D MAX	E NOM	F NOM	in ²	cm ²			
00B181101	3	41811	mm	14.909	7.137	7.670	8.89	6.096	-	0.02645	0.1700	0.120	Delrin
			in	0.587	0.281	0.302	0.350	0.240	-	-	-		
00B181101FR	3	41811	mm	14.909	7.137	7.670	8.89	6.096	-	0.02645	0.1700	0.120	Crastin S660FR
			in	0.587	0.281	0.302	0.350	0.240	-	-	-		
00B181102 2 Section	3	41811	mm	14.909	7.137	7.670	8.89	2.819	-	0.01315	0.0840	0.120	Delrin
			in	0.587	0.281	0.302	0.350	0.111	-	-	-		
00B181102FR	3	41811	mm	14.909	7.137	7.670	8.89	2.819	-	0.01315	0.0840	0.120	Crastin S660FR
			in	0.587	0.281	0.302	0.350	0.111	-	-	-		
00B181103 3 Section	3	41811	mm	14.909	7.137	7.670	8.89	1.727	-	0.00755	0.0490	0.120	Delrin
			in	0.587	0.281	0.302	0.350	0.068	-	-	-		
00B221301	3	42213	mm	17.830	9.118	9.474	10.693	8.128	-	0.04530	0.2920	0.145	Delrin
			in	0.702	0.359	0.373	0.421	0.320	-	-	-		
00B221301FR	3	42213	mm	17.830	9.118	9.474	10.693	8.128	-	0.04530	0.2920	0.145	Crastin S660FR
			in	0.702	0.359	0.373	0.421	0.320	-	-	-		
00B221302 2 Section	3	42213	mm	17.830	9.118	9.474	10.693	3.835	-	0.02140	0.1380	0.145	Delrin
			in	0.702	0.359	0.373	0.421	0.151	-	-	-		
00B221302FR 2 Section	3	42213	mm	17.830	9.118	9.474	10.693	3.835	-	0.02140	0.1380	0.145	Crastin S660FR
			in	0.702	0.359	0.373	0.421	0.151	-	-	-		
00B221303 3 Section	3	42213	mm	17.830	9.118	9.474	10.693	2.413	-	0.01350	0.0870	0.145	Delrin
			in	0.702	0.359	0.373	0.421	0.095	-	-	-		

FIGURE 3



Bobbins (con't)

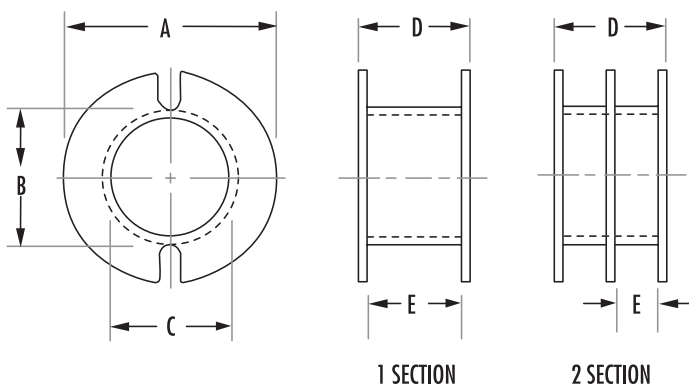
PART	FIG.	CORE SIZE	MECHANICAL DIMENSIONS						NOMINAL WINDING AREA PER SECTION		AVERAGE LENGTH OF TURN FT	MATERIAL	
			A MAX	B MAX	C MIN	D MAX	E NOM	F NOM	in ²	cm ²			
00B261601	3	42616	mm	21.132	10.922	11.557	12.776	9.931	-	0.06530	0.4210	0.173	Delrin
			in	0.832	0.430	0.455	0.503	0.391	-				
00B261601FR	3	42616	mm	21.132	10.922	11.557	12.776	9.931	-	0.06530	0.4210	0.173	Crastin S660FR
			in	0.832	0.430	0.455	0.503	0.391	-				
00B261602 2 Section	3	42616	mm	21.132	10.922	11.557	12.776	4.749	-	0.03140	0.2020	0.173	Delrin
			in	0.832	0.430	0.455	0.503	0.187	-				
00B261603 3 Section	3	42616	mm	21.132	10.922	11.557	12.776	3.022	-	0.01990	0.1280	0.173	Delrin
			in	0.832	0.430	0.455	0.503	0.119	-				
00B261603FR 3 Section	3	42616	mm	21.132	10.922	11.557	12.776	3.022	-	0.01990	0.1280	0.173	Crastin S660FR
			in	0.832	0.430	0.455	0.503	0.119	-				



Bobbins (con't)

PART	FIG.		MECHANICAL DIMENSIONS						NOMINAL WINDING AREA PER SECTION		AVERAGE LENGTH OF TURN FT	MATERIAL	
			A MAX	B MAX	C MIN	D MAX	E NOM	F NOM	in ²	cm ²			
00B301901	3	43019	mm	24.917	12.928	13.563	15.036	11.684	-	0.08400	0.5420	0.204	Delrin
			in	0.981	0.509	0.534	0.592	0.460	-				
00B301902 2 Section	3	43019	mm	24.917	12.928	13.563	15.036	5.562	-	0.03940	0.2540	0.204	Delrin
			in	0.981	0.509	0.534	0.592	0.219	-				
00B301903 3 Section	3	43019	mm	24.917	12.928	13.563	15.036	3.505	-	0.02460	0.1590	0.204	Delrin
			in	0.981	0.509	0.534	0.592	0.138	-				
00B362201	3	43622	mm	29.768	14.478	16.230	18.059	12.979	-	0.11700	0.7550	0.244	Delrin
			in	1.172	0.570	0.639	0.711	0.511	-				
00B362202 2 Section	3	43622	mm	29.768	14.478	16.230	18.059	6.146	-	0.05540	0.3570	0.244	Delrin
			in	1.172	0.570	0.639	0.711	0.242	-				
00B362203 3 Section	3	43622	mm	29.768	14.478	16.230	18.059	3.860	-	0.03480	0.2250	0.244	Delrin
			in	1.172	0.570	0.639	0.711	0.152	-				
00B422901	4	44229	mm	35.407	20.015	17.983	19.710	17.805	-	0.21500	1.3900	0.282	Delrin
			in	1.394	0.788	0.708	0.776	0.701	-				
00B422902 2 Section	4	44229	mm	35.407	20.015	17.983	19.710	8.407	-	0.09700	0.6300	0.282	Delrin
			in	1.394	0.788	0.708	0.776	0.331	-				
00B452901	5	44529	mm	36.068	22.86	20.878	18.592	16.256	-	0.16700	1.0700	0.308	Glass-filled nylon
			in	1.420	0.900	0.822	0.732	0.640	-				
00B452902 2 Section	5	44529	mm	36.068	22.86	20.878	18.592	7.620	-	0.07800	0.5000	0.308	Glass-filled nylon
			in	1.420	0.900	0.822	0.732	0.300	-				

FIGURE 5



Printed Circuit Bobbins

MECHANICAL DIMENSIONS

PART	FIG.	CORE SIZE		A MAX	B MAX	C MAX	D NOM	E MAX	F MAX	G NOM	H	X ₁ NOM	X ₂ NOM
PCB140811	1A	41408	mm	11.506	7.112	5.410	4.445	18.999	5.892	16.205	-	4.749	-
			in	0.453	0.280	0.213	0.175	0.748	0.232	0.638	-	0.187	-
PCB140821	1A	41408	mm	11.506	7.112	5.410	4.445	18.999	5.892	16.205	-	-	7.137
			in	0.453	0.280	0.213	0.175	0.748	0.232	0.638	-	-	0.281
PCB140812	1A	41408	mm	11.506	7.112	5.410	2.032	18.999	5.892	16.205	-	4.749	-
			in	0.453	0.280	0.213	0.080	0.748	0.232	0.638	-	0.187	-
PCB140822	1A	41408	mm	11.506	7.112	5.410	2.032	18.999	5.892	16.205	-	-	7.137
			in	0.453	0.280	0.213	0.080	0.748	0.232	0.638	-	-	0.281
PCB1408S1	2A	41408	mm	11.506	7.112	5.410	4.445	18.999	10.668	16.205	-	-	7.137
			in	0.453	0.280	0.213	0.175	0.748	0.420	0.638	-	-	0.281
PCB181111	2B	41811	mm	14.808	8.813	7.035	6.045	23.799	10.210	21.539	-	4.749	-
			in	0.583	0.347	0.277	0.238	0.937	0.402	0.848	-	0.187	-
PCB181121	2B	41811	mm	14.808	8.813	7.035	6.045	23.799	10.210	21.539	-	-	7.137
			in	0.583	0.347	0.277	0.238	0.937	0.402	0.848	-	-	0.281
PCB181112	2B	41811	mm	14.808	8.813	7.035	2.794	23.799	10.210	21.539	-	4.749	-
			in	0.583	0.347	0.277	0.110	0.937	0.402	0.848	-	0.187	-
PCB181122	2B	41811	mm	14.808	8.813	7.035	2.794	23.799	10.210	21.539	-	-	7.137
			in	0.583	0.347	0.277	0.110	0.937	0.402	0.848	-	-	0.281
PCB221311	2B	42213	mm	17.805	10.693	8.991	7.797	27.203	10.210	25.146	-	4.749	-
			in	0.701	0.421	0.354	0.307	1.071	0.402	0.990	-	0.187	-
PCB221321	2B	42213	mm	17.805	10.693	8.991	7.797	27.203	10.210	25.146	-	-	7.137
			in	0.701	0.421	0.354	0.307	1.071	0.402	0.990	-	-	0.281
PCB221312	2B	42213	mm	17.805	10.693	8.991	3.683	27.203	10.210	25.146	-	4.749	-
			in	0.701	0.421	0.354	0.145	1.071	0.402	0.990	-	0.187	-

FIGURE 1

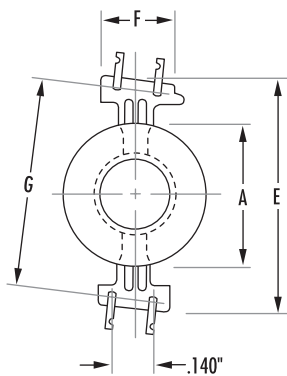


FIGURE 2

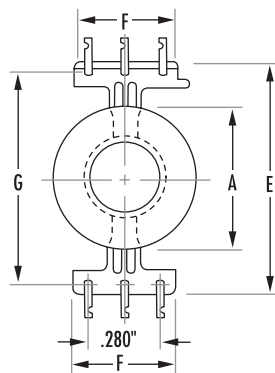


FIGURE A

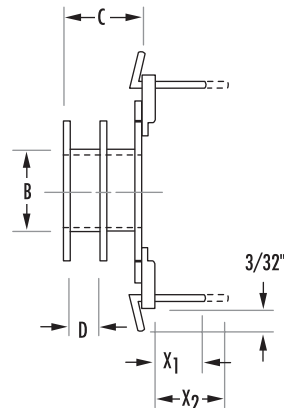
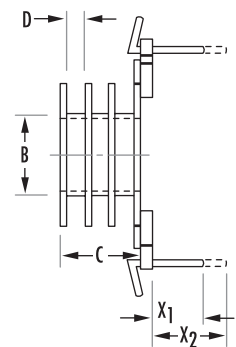


FIGURE B

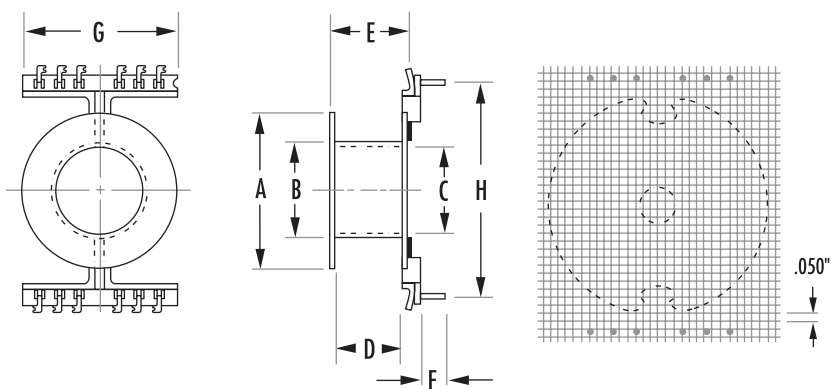


Printed Circuit Bobbins

PART	FIG.	CORE SIZE	MECHANICAL DIMENSIONS		NOMINAL WINDING AREA PER SECTION		AVERAGE LENGTH OF TURN FT	BOBBIN MATERIAL	PIN MATERIAL	
			Y ₁ NOM	Y ₂ NOM	in ²	cm ²				
PCB140811	1A	41408	mm	1.549	3.937	0.013	0.084	0.095	Glass-filled nylon	Tin coated brass
			in	0.061	0.155					
PCB140821	1A	41408	mm	1.549	3.937	0.013	0.084	0.095	Glass-filled nylon	Tin coated brass
			in	0.061	0.155					
PCB140812	1A	41408	mm	1.549	3.937	0.006	0.039	0.095	Glass-filled nylon	Tin coated brass
			in	0.061	0.155					
PCB140822	1A	41408	mm	1.549	3.937	0.006	0.039	0.095	Glass-filled nylon	Tin coated brass
			in	0.061	0.155					
PCB1408S1	2A	41408	mm	1.549	3.937	0.013	0.084	0.095	Glass-filled nylon	Tin coated brass
			in	0.061	0.155					
PCB181111	2B	41811	mm	1.447	3.835	0.024	0.151	0.121	Glass-filled nylon	Tin coated brass
			in	0.057	0.151					
PCB181121	2B	41811	mm	1.447	3.835	0.024	0.151	0.121	Glass-filled nylon	Tin coated brass
			in	0.057	0.151					
PCB181112	2B	41811	mm	1.447	3.835	0.010	0.064	0.121	Glass-filled nylon	Tin coated brass
			in	0.057	0.151					
PCB181122	2B	41811	mm	1.447	3.835	0.010	0.064	0.121	Glass-filled nylon	Tin coated brass
			in	0.057	0.151					
PCB221311	2B	42213	mm	0.584	2.971	0.043	0.280	0.144	Glass-filled nylon	Tin coated brass
			in	0.023	0.117					
PCB221321	2B	42213	mm	0.584	2.971	0.043	0.280	0.144	Glass-filled nylon	Tin coated brass
			in	0.023	0.117					
PCB221312	2B	42213	mm	0.584	2.971	0.020	0.130	0.144	Glass-filled nylon	Tin coated brass
			in	0.023	0.117					

NOTES: If short pin (X1) is desired, part number is -11 or -12. If long pin (X2) is desired, part number is -21 or -22. Y-Pin length available under board for soldering, using spring clip mounting (on 1/16" board).

FIGURE 3



Printed Circuit Bobbins (con't)

MECHANICAL DIMENSIONS													
PART	FIG.	CORE SIZE		A MAX	B MAX	C MAX	D NOM	E MAX	F MAX	G NOM	H	X ₁ NOM	X ₂ NOM
PCB221322	2B	42213	mm	17.805	10.693	8.991	3.683	27.203	10.210	25.146	-	-	7.137
			in	0.701	0.421	0.354	0.145	1.071	0.402	0.990	-	-	0.281
PCB221313	2B	42213	mm	17.805	10.693	8.991	2.311	27.203	10.210	25.146	-	4.749	-
			in	0.701	0.421	0.354	0.091	1.071	0.402	0.990	-	0.187	-
PCB221323	2B	42213	mm	17.805	10.693	8.991	2.311	27.203	10.210	25.146	-	-	7.137
			in	0.701	0.421	0.354	0.091	1.071	0.402	0.990	-	-	0.281
PCB261611	2B	42616	mm	20.904	12.801	10.795	9.601	30.683	10.210	28.727	-	4.749	-
			in	0.823	0.504	0.425	0.378	1.208	0.402	1.131	-	0.187	-
PCB261621	2B	42616	mm	20.904	12.801	10.795	9.601	30.683	10.210	28.727	-	-	7.137
			in	0.823	0.504	0.425	0.378	1.208	0.402	1.131	-	-	0.281
PCB261612	2B	42616	mm	20.904	12.801	10.795	4.572	30.683	10.210	28.727	-	4.749	-
			in	0.823	0.504	0.425	0.180	1.208	0.402	1.131	-	0.187	-
PCB261622	2B	42616	mm	20.904	12.801	10.795	4.572	30.683	10.210	28.727	-	-	7.137
			in	0.823	0.504	0.425	0.180	1.208	0.402	1.131	-	-	0.281
PCB261613	2B	42616	mm	20.904	12.801	10.795	2.895	30.683	10.210	28.727	-	4.749	-
			in	0.823	0.504	0.425	0.114	1.208	0.402	1.131	-	0.187	-
PCB261623	2B	42616	mm	20.904	12.801	10.795	2.895	30.683	10.210	28.727	-	-	7.137
			in	0.823	0.504	0.425	0.114	1.208	0.402	1.131	-	-	0.281
PCB301911	2B	43019	mm	24.942	14.884	12.877	11.684	38.150	10.210	35.915	-	4.749	-
			in	0.982	0.586	0.507	0.460	1.502	0.402	1.414	-	0.187	-
PCB301921	2A	43019	mm	24.942	14.884	12.877	11.684	38.150	10.210	35.915	-	-	7.137
			in	0.982	0.586	0.507	0.460	1.502	0.402	1.414	-	-	0.281
PCB362211	3	43622	mm	29.845	18.034	16.179	12.852	14.478	5.588	29.210	40.64	-	-
			in	1.175	0.710	0.637	0.506	0.570	0.220	1.150	1.600	-	-

FIGURE 2

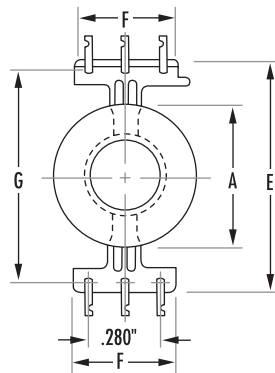


FIGURE A

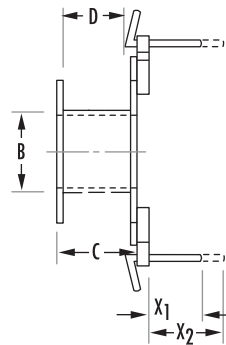
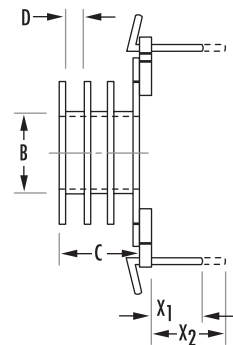


FIGURE B

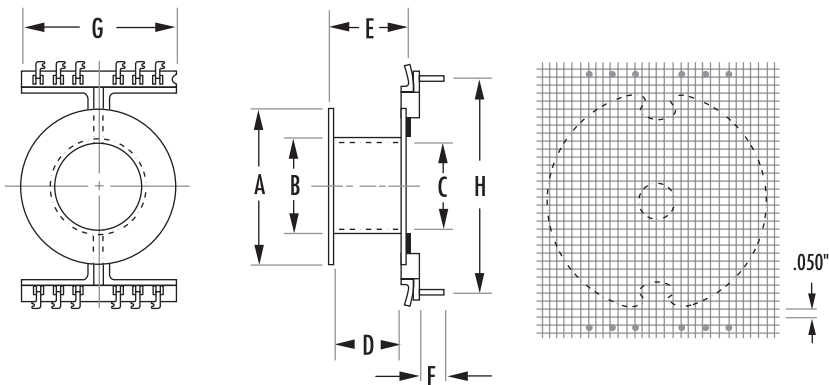


Printed Circuit Bobbins (con't)

PART	FIG.	CORE SIZE	MECHANICAL DIMENSIONS		NOMINAL WINDING AREA PER SECTION		AVERAGE LENGTH OF TURN FT	BOBBIN MATERIAL	PIN MATERIAL	
			Y ₁ NOM	Y ₂ NOM	in ²	cm ²				
PCB221322 2 Section	2B	42213	mm	0.584	2.971	0.020	0.130	0.144	Glass-filled nylon	Tin coated brass
			in	0.023	0.117					
PCB221313 3 Section	2B	42213	mm	0.584	2.971	0.013	0.080	0.144	Glass-filled nylon	Tin coated brass
			in	0.023	0.117					
PCB221323 3 Section	2B	42213	mm	0.584	2.971	0.013	0.080	0.144	Glass-filled nylon	Tin coated brass
			in	0.023	0.117					
PCB261611	2B	42616	mm	1.066	3.454	0.060	0.390	0.174	Glass-filled nylon	Tin coated brass
			in	0.042	0.136					
PCB261621	2B	42616	mm	1.066	3.454	0.060	0.390	0.174	Glass-filled nylon	Tin coated brass
			in	0.042	0.136					
PCB261612 2 Section	2B	42616	mm	1.066	3.454	0.028	0.190	0.174	Glass-filled nylon	Tin coated brass
			in	0.042	0.136					
PCB261622 2 Section	2B	42616	mm	1.066	3.454	0.028	0.190	0.174	Glass-filled nylon	Tin coated brass
			in	0.042	0.136					
PCB261613 3 Section	2B	42616	mm	1.066	3.454	0.018	0.120	0.174	Glass-filled nylon	Tin coated brass
			in	0.042	0.136					
PCB261623 3 Section	2B	42616	mm	1.066	3.454	0.018	0.120	0.174	Glass-filled nylon	Tin coated brass
			in	0.042	0.136					
PCB301911	2B	43019	mm	0.431	2.819	0.090	0.580	1.970	Glass-filled nylon	Tin coated brass
			in	0.017	0.111					
PCB301921 2 Section	2B	43019	mm	0.431	2.819	0.090	0.580	1.970	Glass-filled nylon	Tin coated brass
			in	0.017	0.111					
PCB362211	3	43622	mm	-	-	0.117	0.755	0.244	Glass-filled nylon Phosphor Bronze	Tin coated
			in	-	-					

NOTES: If short pin (X1) is desired, part number is -11 or -12. If long pin (X2) is desired, part number is -21 or -22. Y-Pin length available under board for soldering, using spring clip mounting (on 1/16" board).

FIGURE 3



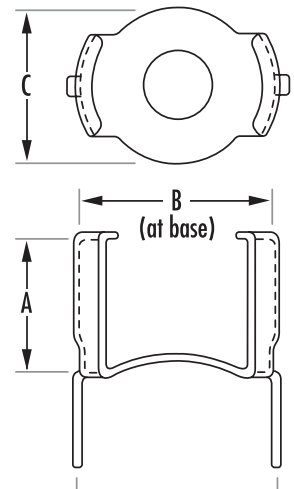
Mounting Clamps

PART	FIG.	CORE SIZE	MECHANICAL DIMENSIONS						TAB DIMENSIONS		MATERIAL	MATERIAL THICKNESS	MACHINE SCREW IMPRESSIONS	WASHER**	WASHER DIMENSIONS	WASHER THICKNESS
			A NOM	B NOM	C NOM	D±.020**	F NOM	LENGTH	WIDTH							
			mm	mm	mm	mm	mm	mm	mm							
00C090511	1	40905	mm	5.689	9.499	8.001	10.008	-	4.394	1.016	Phosphor Bronze	.009"	-	-	-	-
			in	0.224	0.374	0.315	0.394	-	0.173	0.040						
00C110711	1	41107	mm	6.985	11.480	9.194	12.497	-	5.003	1.193	Phosphor Bronze	.010"	-	-	-	-
			in	0.275	0.452	0.362	0.492	-	0.197	0.047						
00C140811	2	41408	mm	9.652	14.478	13.208	13.208	-	3.962	2.159	Spring Steel	0.011"	-	00W140815	.540 ± .008"	.015"
			in	0.380	0.570	0.520	0.520	-	0.156	0.085						
00C1408RS	3	41408	mm	8.89	13.97	8.001	-	-	-	-	Stainless Steel	-	-	00W140815	.540 ± .008"	.015"
			in	0.35	0.55	0.315	-	-	-	-						
00C181111	3	41811	mm	11.684	18.542	16.764	16.510	-	3.962	2.032	Spring Steel	.020"	-	00W181118	.700 ± .008"	.020"
			in	0.460	0.730	0.660	0.650	-	0.156	0.080						
00C221314	4	42213	mm	14.859	22.250	20.828	27.940	33.020	-	-	Spring Steel	.014"	#4-40	00W221324	.840 ± .008"	.025"
			in	0.585	0.876	0.820	1.100	1.300	-	-						
0PC221314	5	42213	mm	14.859	22.250	20.828	21.488	3.581	-	-	Spring Steel	.014"	-	00W221324	.840 ± .008"	.025"
			in	0.585	0.876	0.820	0.846	0.141	-	-						
00C261614	4	42616	mm	16.637	26.289	21.082	32.817	38.405	-	-	Spring Steel	.014"	#4-40	-	-	-
			in	0.655	1.035	0.830	1.292	1.512	-	-						
0PC261614	7	42616	mm	16.637	26.289	21.082	24.638	5.080	-	-	Spring Steel	.014"	#4-40	-	-	-
			in	0.655	1.035	0.830	0.970	0.200	-	-						
00C301917	4	43019	mm	20.320	30.734	28.575	38.608	44.196	-	-	Spring Steel	.017"	#6-32	-	-	-
			in	0.800	1.210	1.125	1.520	1.740	-	-						
00C362217	6	43622	mm	23.241	36.322	21.590	44.450	50.038	-	-	Spring Steel	-	#6-32	-	-	-
			in	0.915	1.430	0.850	1.750	1.970	-	-						
00C422917	6	44229	mm	56.388	50.800	43.180	25.400	6.604	-	-	Spring Steel	-	#6-32	-	-	-
			in	1.233	1.700	1.000	2.000	2.220	-	-						

* The C090511, C110711, C140811 and C1408RS have a D dimension tolerance of ± .010"

** Mounting Clamps are made to allow for tuning adjusters. If these adjusters are not used a polypropylene washer must be inserted to take up extra space. The part number and dimension of available washers are detailed above.

FIGURE 1



Mounting Clamps

FIGURE 2

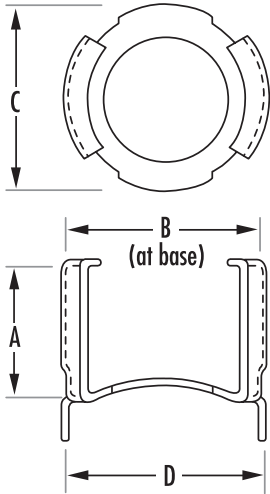


FIGURE 3

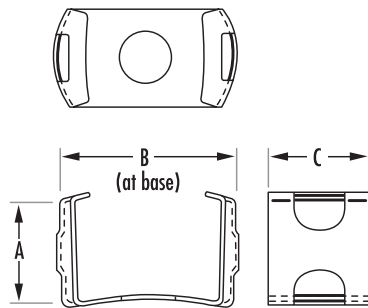


FIGURE 4

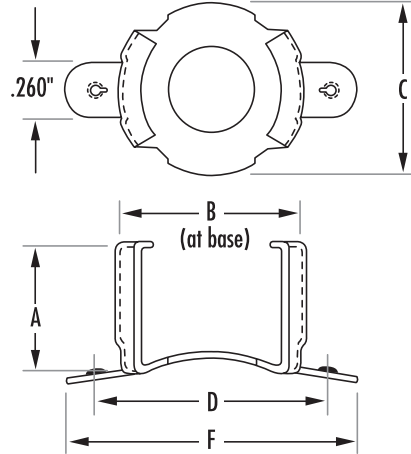


FIGURE 5

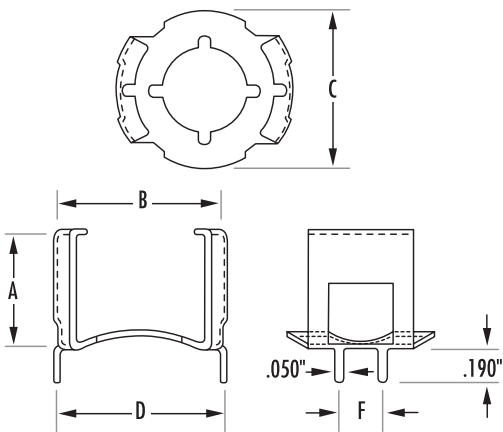


FIGURE 6

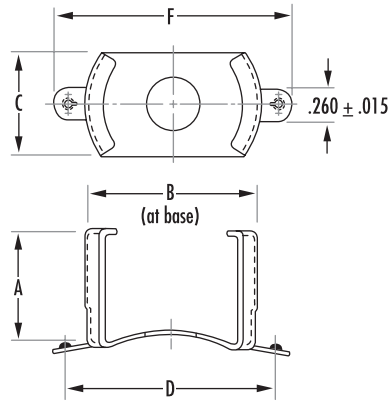
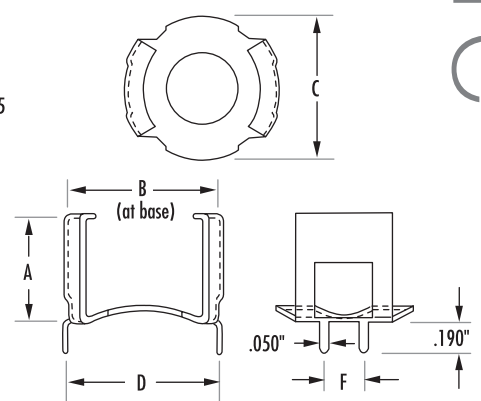


FIGURE 7



Surface Mount Headers

PART	FIG.	CORE SIZE	MECHANICAL DIMENSIONS										BOBBIN MATERIAL	PIN MATERIAL
			A MAX	B MAX	C TYP	D TYP	E NOM	F MAX	G MIN	K MAX	L NOM	M MIN		
SMH11078A 1	41107	mm	16.967	12.751	8.992	3.988	0.483	15.240	11.354	2.134	0.991	1.270	Thermoset plastic	Tin coated phosphor bronze
			0.668	0.502	0.354	0.157	0.019	0.600	0.465	0.084	0.039	0.050		
SMH1408TA 2	41408	mm	19.990	15.748	11.989	-	0.483	18.263	14.351	2.134	0.991	1.270	Thermoset plastic	Tin coated phosphor bronze
			0.787	0.620	0.472	-	0.019	0.719	0.565	0.084	0.039	0.050		
SMH1811LA 3	41811	mm	24.181	19.761	14.732	-	0.483	22.454	18.339	2.134	0.991	1.270	Thermoset plastic	Tin coated phosphor bronze
			0.952	0.778	0.580	-	0.019	0.884	0.722	0.084	0.039	0.050		

FIGURE 1

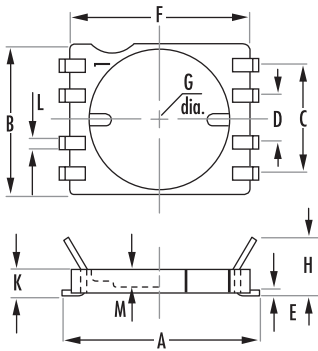


FIGURE 2

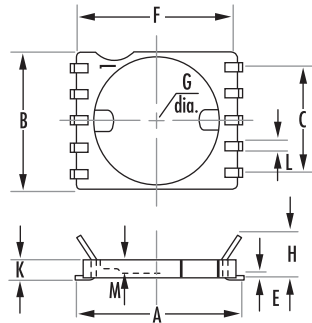
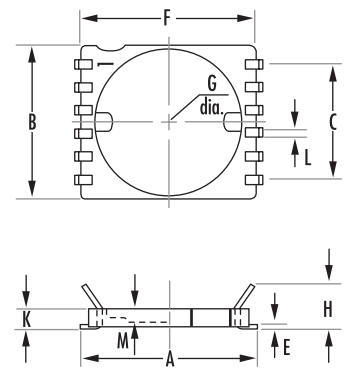


FIGURE 3





RS/DS Cores

Section 7

RS/DS CORES

Slab cores are modified pot cores with the sides removed. The slabs can be paired with one round half of a standard pot core (RS combination) or two slabs can be paired together for a double slab (DS combination).

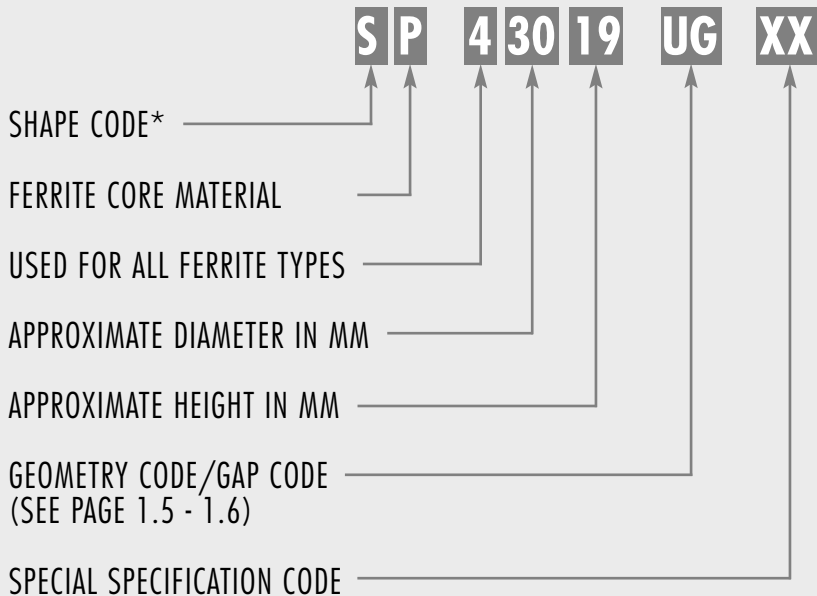
Available in seven sizes, the RS geometry offers all the advantages of pot cores for filter applications, plus many additional features for power applications.

DS cores, available in six sizes, accommodate large size wire and assist in removing heat from the assembly.

Both plain and printed circuit bobbins are available for both types of cores.

Typical applications for RS/DS combinations include; low and medium power transformers, switched-mode power supplies, and converter and inverter transformers.

HOW TO ORDER

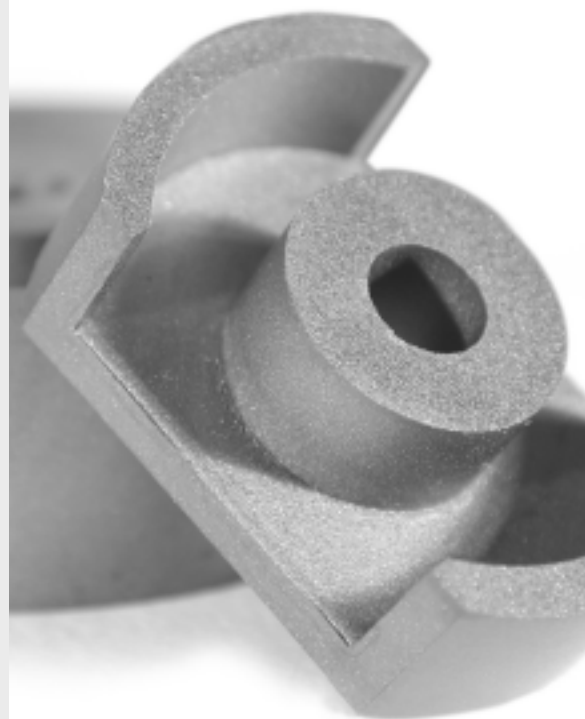


*SHAPE CODES

D – DS Core with solid centerpost

H – DS Core with center hole

S – RS Core

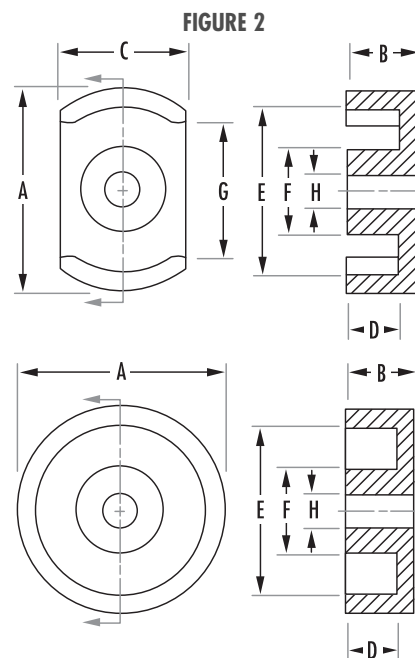
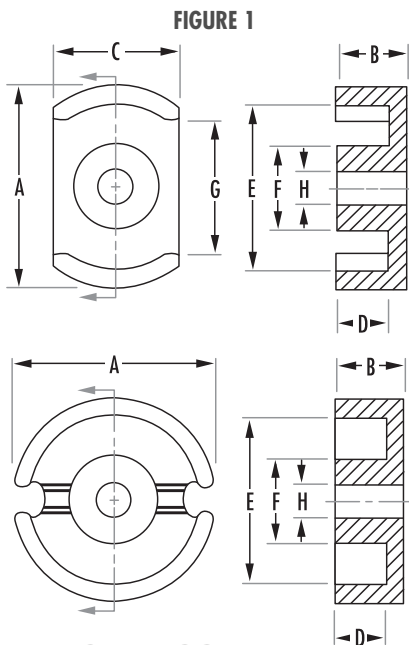


RS/DS Core Data (ungapped)

Any practical gap available. See page 1.8 - 1.11

MECHANICAL DIMENSIONS							
PART	FIG.	COMBINATION		A	B	2B	C
H_41408UG 1	1	DS with center hole	mm	14 ± .250	4.24 + .000, -.130	8.48 + .000, -.280	9.4 ± .150
			in	.553 ± .010	.167 + .000, -.005	.334 + .000, -.011	.370 ± .006
S_41408UG 1	1	RS	mm	14 ± .250	4.24 + .000, -.130	8.48 + .000, -.280	9.4 ± .150
			in	.553 ± .010	.167 + .000, -.005	.334 + .000, -.011	.370 ± .006
D_42311UG 3	3	DS	mm	22.86 ± .460	5.54 ± .130	11.080 ± .260	15.24 ± .250
			in	.900 ± .018	.218 ± .005	.436 ± .010	.600 ± .010
H_42311UG 4	4	DS with center hole	mm	22.86 ± .460	5.54 ± .130	11.080 ± .260	15.24 ± .250
			in	.900 ± .018	.218 ± .005	.436 ± .010	.600 ± .010
S_42311UG 2	2	RS	mm	22.9 ± .460	5.54 ± .130	11.08 ± .250	15.2 ± .250
			in	.900 ± .018	.218 ± .005	.436 ± .010	.600 ± .010
D_42318UG 3	3	DS	mm	22.860 ± .460	9.00 ± .180	18.00 ± .360	15.24 ± .250
			in	.900 ± .018	.355 ± .007	.710 ± .014	.600 ± .010
H_42318UG 4	4	DS with center hole	mm	22.860 ± .460	9.00 ± .180	18.00 ± .360	15.24 ± .250
			in	.900 ± .018	.355 ± .007	.710 ± .014	.600 ± .010
S_42318UG 2	2	RS	mm	22.900 ± .460	9.00 ± .180	18.00 ± .360	15.20 ± .250
			in	.900 ± .018	.355 ± .007	.710 ± .014	.600 ± .010
D_42616UG 3	3	DS	mm	25.500 ± .510	8.05 ± .100	16.10 ± .200	17.09 nom
			in	1.004 ± .020	.317 ± .004	.634 ± .008	.673 nom
H_42616UG 4	4	DS with center hole	mm	25.500 ± .510	8.05 ± .100	16.10 ± .200	17.09 nom
			in	1.004 ± .020	.317 ± .004	.634 ± .008	.673 nom
S_42616UG 1	1	RS	mm	25.500 ± .510	8.05 ± .100	16.10 ± .200	17.09 nom
			in	1.004 ± .020	.317 ± .004	.634 ± .008	.673 nom

To order, add material code to part number.



RS/DS Core Data (ungapped)

MECHANICAL DIMENSIONS						
D MIN	2D MIN	E MIN	F MAX	G MIN	H	
2.800	5.580	11.600	5.990	7.600	3.10 ± .076	
0.110	0.220	0.457	0.236	0.300	.122 ± .003	
2.800	5.580	11.600	5.990	7.600	3.10 ± .076	
0.110	0.220	0.457	0.236	0.300	.122 ± .003	
3.630	7.260	17.930	9.900	13.210	-	
0.143	0.286	0.706	0.390	0.520	-	
3.630	7.260	17.930	9.900	13.210	-	
0.143	0.286	0.706	0.390	0.520	-	
3.630	7.260	17.940	9.900	13.200	5.08 ± .10	
0.143	0.286	0.706	0.390	0.520	.200 ± .004	
6.930	13.860	17.93	9.900	13.200	-	
0.273	0.546	0.706	0.390	0.520	-	
6.930	13.860	17.93	9.900	13.200	-	
0.273	0.546	0.706	0.390	0.520	-	
6.930	13.870	17.94	9.900	13.200	5.08 ± .100	
0.273	0.546	0.706	0.390	0.520	.200 ± .004	
5.510	11.020	21.21	11.480	15.500	-	
0.217	0.434	0.835	0.452	0.610	-	
5.510	11.020	21.21	11.480	15.500	-	
.217	0.434	0.835	0.452	0.610	-	
5.510	11.020	21.21	11.480	15.500	5.56 ± .100	
.217	.434	.835	.452	.610	.219 ± .004	

FIGURE 3

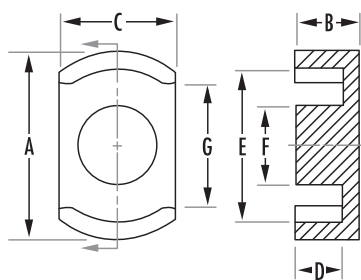
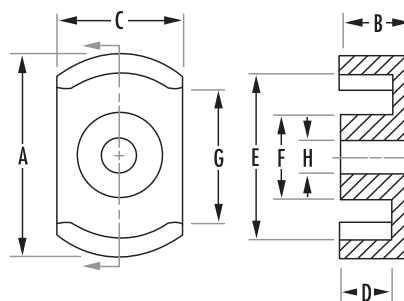


FIGURE 4



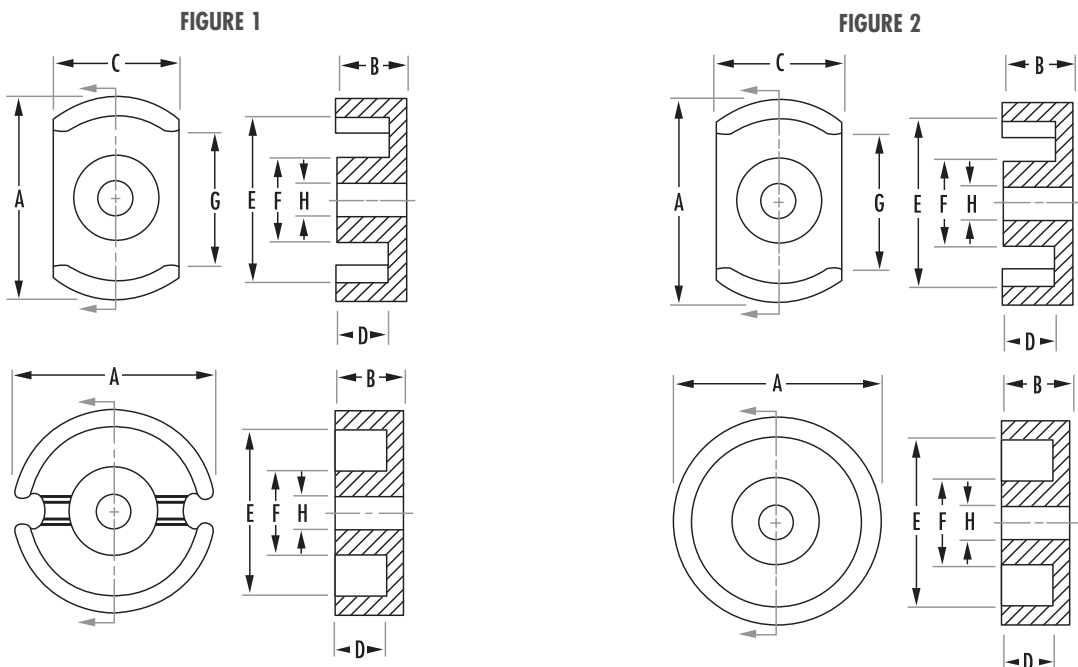
RS/DS Core Data (ungapped)

Any practical gap available. See page 1.8 - 1.11

MECHANICAL DIMENSIONS							
PART	FIG.	COMBINATION		A	B	2B	C
D_43019UG	3	DS	mm	30.00 ± .051	9.4 ± .100	18.800 ± .200	20.32 ± .250
			in	1.181 ± .020	.370 ± .004	.740 ± .008	.800 ± .010
H_43019UG	4	DS with center hole	mm	30.00 ± .510	9.4 ± .100	18.800 ± .200	20.32 ± .250
			in	1.181 ± .020	.370 ± .004	.740 ± .008	.800 ± .010
S_43019UG	1	RS	mm	30.00 ± .510	9.400 ± .100	18.70 ± .200	20.32 ± .250
			in	1.181 ± .020	.370 ± .004	.740 ± .008	.800 ± .010
D_43622UG	3	DS	mm	35.61 ± .510	10.87 ± .130	21.7 ± .250	23.85 nom
			in	1.402 ± .020	.428 ± .005	.856 ± .010	.939 nom
H_43622UG	4	DS with center hole	mm	35.61 ± .510	10.87 ± .130	21.7 ± .250	23.85 nom
			in	1.402 ± .020	.428 ± .005	.856 ± .010	.939 nom
S_43622UG	1	RS	mm	35.61 ± .510	10.87 ± .130	21.7 ± .250	23.85 nom
			in	1.402 ± .020	.428 ± .005	.856 ± .010	.939 nom
*D_44229UG	3	DS	mm	42.4 ± .710	14.8 ± .200	29.6 ± .400	28.40 nom
			in	1.669 ± .028	.582 ± .008	1.164 ± .016	1.118 nom
H_44229UG	4	DS with center hole	mm	42.4 ± .710	14.8 ± .200	29.6 ± .400	28.40 nom
			in	1.669 ± .028	.582 ± .008	1.164 ± .016	1.118 nom
S_44229UG	1	RS	mm	42.4 ± .710	14.8 ± .200	29.6 ± .400	28.40 nom
			in	1.669 ± .028	.582 ± .008	1.164 ± .016	1.118 nom

To order, add material code to part number.

*This core has a .198" x .043 wire slot (not shown in figure)



RS/DS Core Data (ungapped)

MECHANICAL DIMENSIONS					
D MIN	2D MIN	E MIN	F MAX	G MIN	H
6.500	13.000	25.000	13.510	15.490	-
.256	.512	.984	.532	.610	-
6.500	13.000	25.000	13.510	15.490	5.56 ± .10
.256	.512	.984	.532	.610	.219 ± .004
6.500	13.000	25.000	13.500	15.500	-
.256	.512	.984	.532	.610	-
7.29	14.580	29.85	16.100	20.300	-
.287	.574	1.177	.634	.800	-
7.29	14.580	29.85	16.100	20.300	5.56 ± .10
.287	.574	1.177	.634	.800	.219 ± .004
7.29	14.580	29.85	16.100	20.300	-
.287	.574	1.177	.634	.800	-
10.21	20.420	35.61	17.700	25.000	-
.402	.804	1.402	.697	.985	-
10.21	20.420	35.61	17.700	25.000	5.56 ± .10
.402	.804	1.402	.697	.985	.219 ± .004
10.21	20.420	35.61	17.700	25.000	-
.402	.804	1.402	.697	.985	-

FIGURE 3

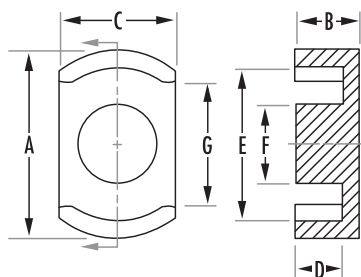
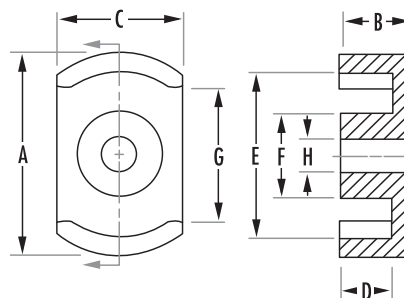


FIGURE 4



RS/DS Core Data (ungapped)

Any practical gap available. See page 1.8 - 1.11

			A _L (mH/1000T)					
			POWER MATERIALS			HIGH PERMEABILITY MATERIALS		
PART	COMBINATION		R	P	F*	J	W	H
H_41408UG	DS with center hole	Min	1,150	1,250	1,990	3,080	4,930	-
S_41408UG	RS	Min	1,320	1,435	2,274	3,375	5,350	-
D_42311UG	DS	Min	2,580	2,810	4,460	6,300	11,245	16,800
H_42311UG	DS with center hole	Min	2,400	2,595	4,170	5,890	9,815	-
S_42311UG	RS	Min	2,950	3,210	5,200	6,300	11,250	-
D_42318UG	DS	Min	2,180	2,370	3,800	4,760	7,000	10,500
H_42318UG	DS with center hole	Min	1,950	2,115	3,350	4,000	7,000	-
S_42318UG	RS	Min	2,300	2,500	4,000	4,800	8,400	-
D_42616UG	DS	Min	2,870	3,120	5,000	6,070	9,100	-
H_42616UG	DS with center hole	Min	-	2,880	4,600	6,080	9,100	-
S_42616UG	RS	Min	3,270	3,550	5,300	6,700	11,000	-
D_43019UG	DS	Min	3,330	3,620	5,800	7,120	10,500	-
H_43019UG	DS with center hole	Min	3,170	3,450	5,525	7,130	10,500	-
S_43019UG	RS	Min	4,150	4,520	6,700	8,360	13,000	-
D_43622UG	DS	Min	4,020	4,370	7,000	8,700	12,600	-
H_43622UG	DS with center hole	Min	-	4,050	6,520	8,700	12,600	-
S_43622UG	RS	Min	5,230	5,685	8,600	11,200	18,600	-
D_44229UG	DS	Min	4,830	5,250	8,400	9,220	13,300	-
H_44229UG	DS with center hole	Min	-	5,000	8,100	9,220	13,300	-
S_44229UG	RS	Min	5,440	5,910	10,200	12,200	-	-

To order, add material code to part number.

* F material nominal $\pm 25\%$

RS/DS Core Data (ungapped)

RS/DS Cores

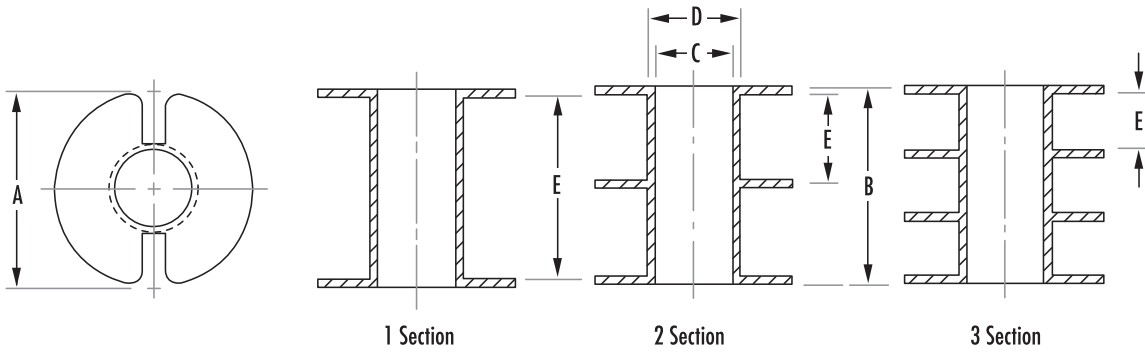
MAGNETIC DATA						STANDARD BOBBIN	PRINTED CIRCUIT BOBBIN	MOUNTING CLAMP
l_e (mm)	A_e (mm ²)	A MIN (mm ²)	V_e (mm ³)	CORE WEIGHT (grams per set)	WaAc	AVAILABLE HARDWARE		
20.6	21.0	019.2	433.0	-	-			
20.2	23.0	19.2	460.0	2.85	0.019		✓	✓
26.8	51.2	37.8	1,370.0	10.00	0.081		✓	
27.0	48.2	37.8	1,300.0	-	-		✓	
26.5	58.0	37.8	1,540.0	11.65	0.092		✓	
39.9	58.0	40.7	2,310.0	13.0	0.213		✓	
40.1	53.4	40.7	2,130.0	-	-		✓	
38.6	60.0	40.7	2,320.0	17.40	0.221		✓	
38.9	77.0	62.7	3,000.0	15.00	0.283	✓	✓	
39.0	72.1	62.7	2,810.0	-	-			
38.3	82.6	62.7	3,180.0	20.00	.392			
46.2	117.0	96.0	5,410.0	22.00	0.601	✓	✓	
46.1	111.0	96.0	5,110.0	-	-	✓	✓	
45.6	123.0	96.0	5,610.0	30.95	0.632		✓	
52.8	149.0	125.0	7,870.0	37.00	1.15		✓	✓
53.1	146.0	125.0	7,750.0	-	-		✓	✓
53.0	174.0	125.0	9,220.0	57.00	1.53			
71.7	209.0	178.0	14,990.0	78.00	2.91		✓	✓
71.7	203.0	178.0	14,560.0	-	-		✓	✓
70.1	234.5	178.0	16,400.0	104.00	3.69			

Bobbins

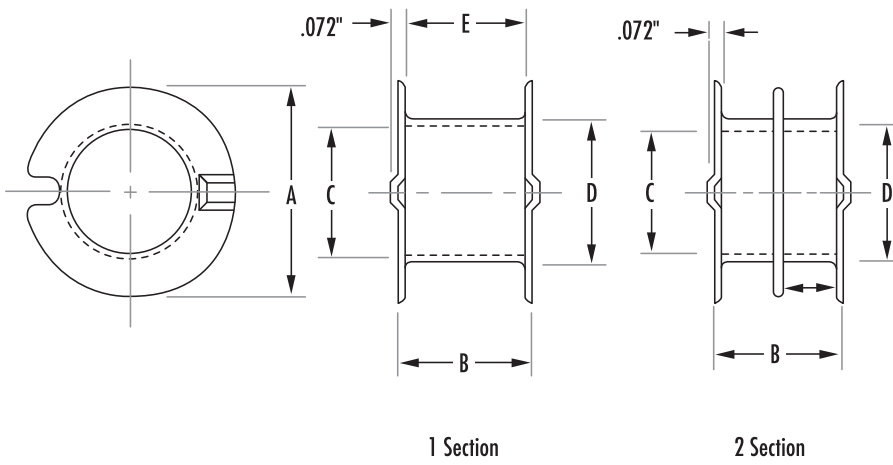
PART	CORE SIZE	FIG.		MECHANICAL DIMENSIONS					NOMINAL WINDING AREA PER SECTION		AVERAGE LENGTH OF TURN FT	MATERIAL
				A MAX	B MAX	C MIN	D MIN	E NOM	in ²	cm ²		
00B261601	42616	1	mm	21.132	10.922	11.557	12.776	9.931	0.06530	0.4210	0.173	Delrin
			in	0.832	0.430	0.455	0.503	0.391				
00B261601FR 2 Section	42616	1	mm	21.132	10.922	11.557	12.776	9.931	0.06530	0.4210	0.173	Crastin S660FR
			in	0.832	0.430	0.455	0.503	0.391				
00B261602 3 Section	42616	1	mm	21.132	10.922	11.557	12.776	4.749	0.03140	0.2020	0.173	Delrin
			in	0.832	0.430	0.455	0.503	0.187				
00B261603 3 Section	42616	1	mm	21.132	10.922	11.557	12.776	3.022	0.01990	0.1280	0.173	Delrin
			in	0.832	0.430	0.455	0.503	0.119				
00B261603FR 3 Section	42616	1	mm	21.132	10.922	11.557	12.776	3.022	0.01990	0.1280	0.173	Crastin S660FR
			in	0.832	0.430	0.455	0.503	0.119				
00B301901	43019	1	mm	24.917	12.928	13.563	15.036	11.684	0.0840	0.542	0.204	Delrin
			in	0.981	0.509	0.534	0.592	0.460				
00B301902 2 Section	43019	1	mm	24.917	12.928	13.563	15.036	5.562	0.0394	0.254	0.204	Delrin
			in	0.981	0.509	0.534	0.592	0.219				
00B301903 3 Section	43019	1	mm	24.917	12.928	13.563	15.036	3.505	0.02460	0.159	0.204	Delrin
			in	0.981	0.509	0.534	0.592	0.138				
00B362201	43622	1	mm	29.768	14.478	16.230	18.059	12.979	0.11700	0.755	0.244	Delrin 500
			in	1.1721	0.570	0.639	0.711	0.511				
00B362202 2 Section	43622	1	mm	29.768	14.478	16.230	18.059	6.146	0.05540	0.357	0.244	Delrin 500
			in	1.172	0.570	0.639	0.711	0.242				
00B362203 3 Section	43622	1	mm	29.768	14.478	16.230	18.059	3.860	0.34800	0.225	0.244	Delrin 500
			in	1.172	0.570	0.639	0.711	0.152				
00B422901	44229	2	mm	35.407	20.015	17.983	19.710	17.805	0.21500	1.3900	0.282	Delrin
			in	1.394	0.788	0.708	0.776	0.701				
00B422902 2 Section	44229	2	mm	35.407	20.01	17.983	19.710	8.407	0.09700	0.6300	0.282	Delrin
			in	1.394	0.788	0.708	0.776	0.331				

Bobbins

BOBBIN FIGURE 1

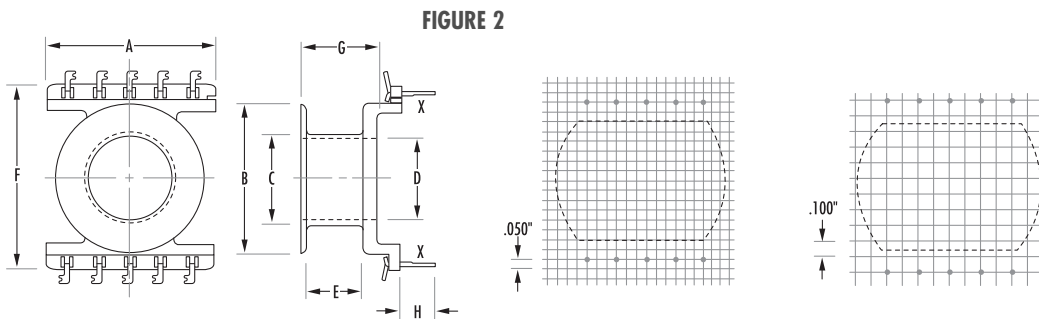
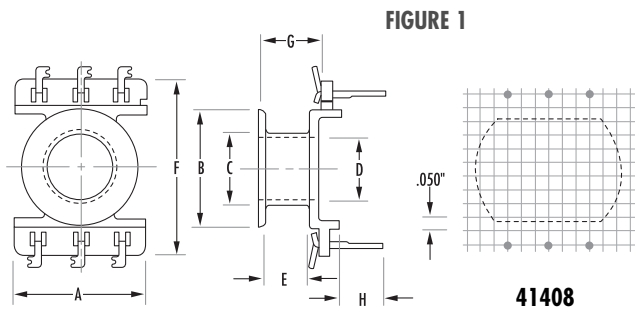


BOBBIN FIGURE 2



Printed Circuit Bobbins

MECHANICAL DIMENSIONS											
PART	CORE SIZE	FIG.		A MAX	B MAX	C MAX	D MIN	E NOM	F MAX	G MAX	H NOM
PCB4140861	41408	1	mm	12.776 ref	11.532	7.290	6.071	4.064	16.586 ref	5.486	4.775
			in	0.503 ref	0.454	0.287	0.239	0.160	.653 ref	0.216	0.188
PCB2311T1	42311	2	mm	19.812	17.780	11.430	10.033	5.156	23.241	6.858	5.588
			in	0.780	0.700	0.450	0.395	0.203	0.915	0.270	0.220
PCB2318T1	42318	2	mm	23.114	17.78	11.404	10.033	11.887	22.86	13.665	5.537
			in	0.910	0.700	0.449	0.395	0.468	0.900	0.538	0.218
PCB2616TA	42616	3	mm	25.527	28.194	12.878	11.557	8.890	21.133	10.922	5.588
			in	1.005	1.110	0.507	0.455	0.350	0.832	0.430	0.220
PCB3019T1	43019	2	mm	28.194	24.765	14.935	13.563	10.744	30.099	12.776	4.775
			in	1.110	0.975	0.588	0.534	0.423	1.185	0.503	0.188
PCB3622L1	43622	4	mm	35.687	38.862	19.558	16.231	12.446	29.769	14.478	4.953
			in	1.405	1.530	0.770	0.639	0.490	1.172	0.570	0.195
PCB4229L1	44229	5	mm	43.307	43.688	19.710	17.831	17.907	35.484	20.320	4.826
			in	1.705	1.720	0.776	0.702	0.705	1.397	0.800	0.190

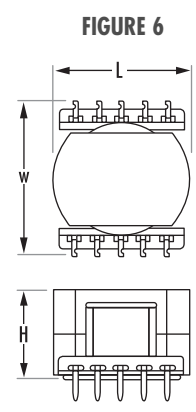
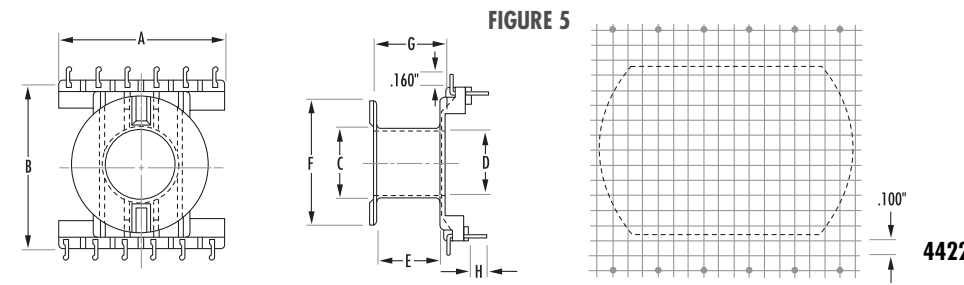
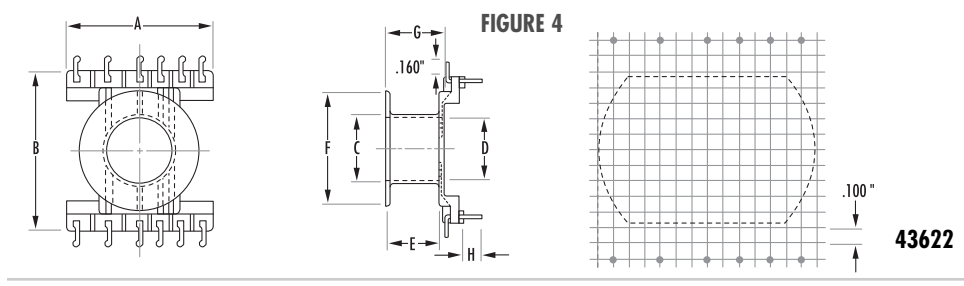
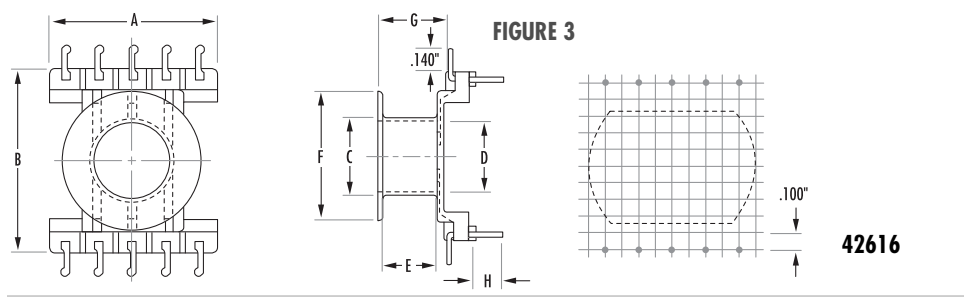


PCB2311T1 and PCB2318T1 have no standoff at X

Printed Circuit Bobbins

NOMINAL WINDING AREA PER SECTION		AVERAGE LENGTH OF TURN FT	BOBBIN MATERIAL	PIN MATERIAL	PIN DIMENSIONS	BOARD CLEARANCE (in.)*		
in ²	cm ²					Length	Width	Height
0.013	0.086	0.095	Glass-filled nylon	Tin coated Phosphor bronze	.042" x .015"	.565	.850	.375
0.025	0.159	0.143	Glass-filled nylon	Tin coated Phosphor bronze	.042" x .015"	.925	1.030	.450
0.057	0.368	0.143	Glass-filled Nylon	Tin coated Phosphor bronze	.042" x .015"	.925	1.030	.735
0.057	0.368	0.174	Rynite FR530	Tin-lead plated brass	.045" x .015"	1.030	1.500	.740
0.080	0.514	0.206	Glass-filled nylon	Tin coated Phosphor bronze	.042" x .015"	1.215	1.330	.775
0.120	0.774	0.246	Rynite FR530	Tin-lead plated brass	.060" x .020"	1.425	1.950	.975
0.217	1.390	0.284	Rynite FR530	Tin-lead plated brass	.060" x .020"	1.715	2.150	1.275

*reference figure 6 for board clearance



Mounting Clamps

PART	CORE SIZE	FIG.	MECHANICAL DIMENSIONS						MATERIAL	MACHINE SCREW IMPRESSIONS
				A NOM	B NOM	C NOM	D ± .020"	F NOM		
00C1408RS	41408	1	mm	8.89	13.97	8.001	-	-	Stainless Steel	-
			in	0.35	0.55	0.315	-	-		
00C362217	43622	2	mm	23.241	36.322	21.590	44.450	50.038	Spring Steel	#6-32
			in	0.915	1.430	0.850	1.750	1.970		
00C422917	44229	2	mm	31.064	43.180	25.40	50.80	56.388	Spring Steel	#6-32
			in	1.223	1.700	1.00	2.000	2.220		

Clamps are not available for the PCB2311T1 or PCB2318T1.
 Cores may be cemented or bolted (with non-magnetic materials) to mounting surface.

FIGURE 1

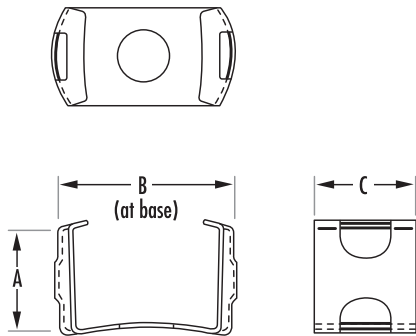


FIGURE 2

