

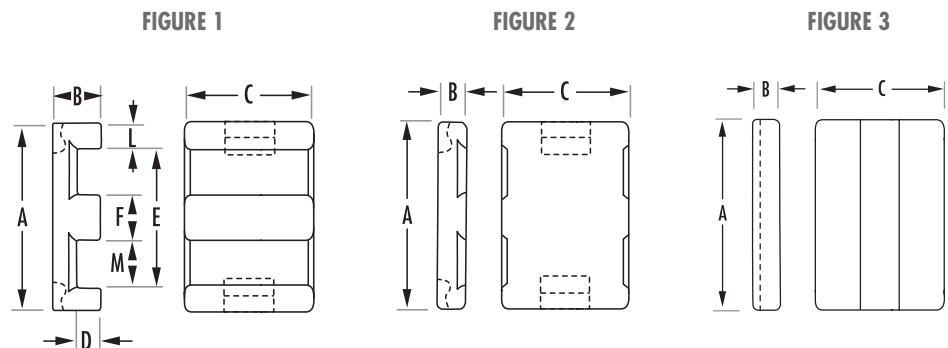
## Planar Core Data (ungapped)

Any practical gap available. See pages 1.8-1.11

MECHANICAL DIMENSIONS											
PART	CORE TYPE	FIG.		A	B	C	D	E MIN	F	L	M
<b>O_41425EC</b>		<b>6</b>	<b>mm</b>	14 ± .30	2.5 ± .10	5 ± .15	0.9 min	10.5 min	3 ± .10	1.5	4
			<b>in</b>	0.551 ± .012	.098 ± .004	.197 ± .006	0.035	0.414	.118 ± .004	.059 ref	.1575 ref
<b>C_41434EC*</b>	E14	<b>1</b>	<b>mm</b>	14 ± .30	3.5 ± .10	5 ± .15	1.91 min	10.5 min	3 ± .10	1.5	4
			<b>in</b>	.551 ± .012	0.138 ± .004	.197 ± .006	0.075	0.414	.118 ± .004	.059 ref	.1575 ref
<b>C_41434IC</b>	I14	<b>3</b>	<b>mm</b>	14 ± .30	1.8 ± .05	5 ± .15					
			<b>in</b>	.551 ± .012	.071 ± .002	.197 ± .006					
<b>C_41805EC*</b>	E18	<b>1</b>	<b>mm</b>	18 ± .35	4 ± .1	10 ± .2	2 ± .1	14 ± .3	4 ± .1	2.0 ref	5.0 ref
			<b>in</b>								
<b>C_41805IC</b>	I18	<b>3</b>	<b>mm</b>	18 ± .35	2.4 ± .05	10 ± .2	2 ± .1	2.5 +2,-0			
			<b>in</b>								
<b>O_42107EC</b>		<b>6</b>	<b>mm</b>	21.8 ± .43	3.91 ± .08	7.8 ± .51	1.52 min	16.5 min	5 ± .2	2.5 ± .12	5.89 ± .25
			<b>in</b>	.858 ± .017	.154 ± .003	.307 ± .020	0.06	0.649	.197 ± .008	.0985 ± .005	.232 ± .010
<b>C_42216EC*</b>	E22	<b>1</b>	<b>mm</b>	21.8 ± .4	5.7 ± .1	15.8 ± .3	3.2 ± .1	16.8 ± .4	5 ± .1	2.5 ref	5.9 ref
			<b>in</b>								
<b>C_42216IC</b>	I22	<b>3</b>	<b>mm</b>	21.8 ± .4	2.9 ± .05	15.8 ± .3	2.5 ± .1	2.9 +2,-0			
			<b>in</b>								
<b>F_43208EC</b>	E32	<b>1</b>	<b>mm</b>	31.75 ± .64	6.35 ± .13	20.32 ± .41	3.18 ± .2	24.9	6.35 ± .13	3.18	9.27
			<b>in</b>								
<b>F_43208IC</b>	I32	<b>2</b>	<b>mm</b>	31.75 ± .64	3.18 ± .13	20.32 ± .41					
			<b>in</b>								
<b>O_43618EC</b>		<b>7</b>	<b>mm</b>	35.56 ± .51	6.35 ± .12	17.8 ± .38	2.41 min	27.2 min	7.62 ± .18	3.81 ± .12	10.16 ± .25
			<b>in</b>	1.400 ± .020	.250 ± .005	.700 ± .015	0.095	1.070	.300 ± .007	.150 ± .005	.400 ± .010
<b>O_43618IC</b>		<b>8</b>	<b>mm</b>	36.58 ± .51	3.81 ± .25	18.29 ± .38					
			<b>in</b>	1.440 ± .020	.150 ± .010	.720 ± .015					
<b>F_43808EC</b>	E38	<b>1</b>	<b>mm</b>	38.1 ± .76	8.26 ± .13	25.4 ± .51	4.32 min	30.2 min	7.62 ± .15	3.81	11.43
			<b>in</b>	1.500 ± .030	.325 ± .005	1.000 ± .020	0.170	1.190	.300 ± .008	.150 ref	.450 ref

To order, add material code to part number.

\* All E-cores available with clamp recesses are also available without. NOTE: Clamps are available for the EI combination of parts 41434, 41805 and 42216 only.



# Planar Core Data (ungapped)

# Planar E, I Cores

MOUNTING CLAMP

A <sub>L</sub> (mH/1000T)													
COMB.	POWER MATERIALS			HIGH PERMEABILITY MATERIALS		MAGNETIC DATA							AVAILABLE HARDWARE
	R	P	F*	J	W	l <sub>e</sub> (mm)	A <sub>e</sub> (mm <sup>2</sup> )	A MIN (mm <sup>2</sup> )	V <sub>e</sub> (mm <sup>3</sup> )	CORE WEIGHT (grams per set)	BOBBIN WINDOW AREA (cm <sup>2</sup> )	WaAc (cm <sup>4</sup> )	
E-E						16.7	14.7	14.7	244	1.2	0.064	0.0090	
	Min	1240	1350	2150	2650	4260	14.7	14.7	244.0				
E-E						20.7	14.66	14.66	303.9	1.5	0.128	0.019	
	Min	1000	1080	1730	2140	3420	1.47	14.7	30.4				
E-I						16.7	14.7	14.7	245.0	1.2	0.064	0.009	✓
	Min	1330	1450	2320	2880	-							
E-E						24.2	40.1	39.9	972	4.9	0.16	0.064	
	Min	2520	2740	4380	5470	-							
E-I						20.3	39.5	35.9	830	4.1	0.08	0.032	✓
	Min	3000	3260	5210	6450	-							
E-E						25.7	37.1	36.0	960.0	4.2	0.15	0.056	
	Min	2190	2380	3810	4350	8260							
E-E						32.3	76	73.1	2451	13	0.29	0.23	
	Min	3590	3905	6250	8640	13300							
E-I						26.1	80.4	72.5	2100	10.4	0.15	0.12	✓
	Min	4467	4858	7776	10750	-							
E-E						41.4	130	130	5380	26	0.51	0.66	
	Min	5025	5465	8744	10930	-							
E-I						35.1	130	130	4560	22	0.25	0.33	
	Min	5930	6446	10313	12892	-							
E-E						42.4	135.0	135.0	5750.0	28	0.412	0.556	
	Min	5170	5640	9020	-	-							
E-I						37.4	135.0	135.0	5060.0	25	0.206	0.278	
	Min	5870	6400	10250	12760	21600							
E-E						52.4	194.0	194.0	10200	50.9	0.813	1.56	
	Min	5900	6430	10300	-	-							

\* F material nominal ± 25%

FIGURE 6

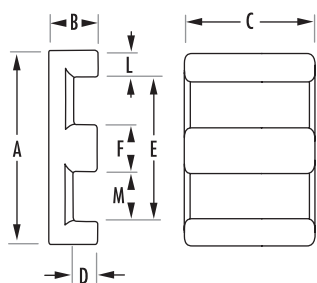


FIGURE 7

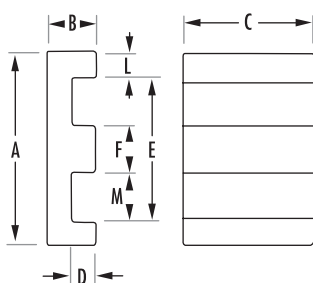
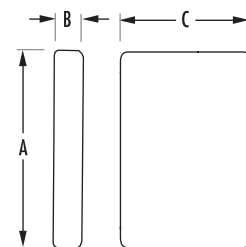


FIGURE 8



## Planar Core Data (ungapped)

Any practical gap available. See pages 1.8-1.11

MECHANICAL DIMENSIONS											
PART	CORE TYPE	FIG.		A	B	C	D MIN	E MIN	F	L	M
F_43808IC	I38	2	mm	38.1 ± .76	3.81 ± .13	25.4 ± .51					
			in	1.500 ± .030	.150 ± .005	1.000 ± .020					
O_44008EC		7	mm	40.64 ± .51	8.51 ± .25	10.7 ± .25	3.56	29.8	10.16 ± .12	5.08 ± .12	10.16
			in	1.600 ± .020	.335 ± .010	.421 ± .010	0.140	1.175	.400 ± .005	.200 ± .005	.400 nom
O_44008IC		8	mm	40.64 ± .51	4.45 ± .25	10.7 ± .25					
			in	1.600 ± .020	.175 ± .010	.421 ± .010					
O_44308EC		7	mm	43.2 ± .9	8.51 ± .25	27.9 ± .6	4.44 ± .25	34.7	8.1 ± .2	4.7 max	13.2 min
			in								
O_44308IC		8	mm	43.2 ± .9	4.1 ± .13	27.9 ± .6					
			in								
F_44310EC	E43	1	mm	43.18 ± .51	9.53 ± .12	27.9 ± .38	5.33	34.4	8.13 ± .25	4.06 ± .25	13.46 ± .25
			in	1.700 ± .020	0.375 ± .005	1.100 ± .015	0.21	1.355	.320 ± .010	.160 ± .010	.530 ± .010
F_44310IC	I43	2	mm	43.18 ± .51	4.06 ± .12	27.9 ± .38					
			in	1.700 ± .020	.160 ± .005	1.100 ± .015					
C_45810EC*	E58	4	mm	58.42 ± 1.17	10.54 ± .20	38.1 ± .78	6.35	50.39	8.1 ± .20	3.66	21.5 ± .25
			in	2.300 ± .046	.415 ± .008	1.500 ± .031	0.25	1.984	.319 ± .008	.144 ref	.8465 ± .010
C_45810IC	I58	5	mm	58.42 ± 1.17	4.04 ± .12	38.1 ± .78					
			in	2.300 ± .046	.159 ± .005	1.500 ± .031					
O_46409EC		7	mm	64 ± .76	9.65 ± .12	50.8 ± .64	4.45	52.8	10.16 ± .18	5.08 ± .12	21.8 ± .25
			in	2.520 ± .030	.380 ± .005	2.000 ± .025	0.175	2.08	.400 ± .007	.200 ± .005	.860 ± .010
C_46410EC*	E64	4	mm	64 ± .76	10.2 ± .10	50.8 ± .81	5.03	53.16	10.16 ± .18	5.08 ± .12	21.8 ± .25
			in	2.520 ± .030	.402 ± .004	2.000 ± .032	0.198	2.093	.400 ± .007	.200 ± .005	.860 ± .010
C_46410IC	I64	5	mm	64 ± .76	5.08 ± .12	50.8 ± .81					
			in	2.520 ± .030	.200 ± .005	2.000 ± .032					
O_49938EC	E102	7	mm	102 ± 1.52	20.3 ± .25	37.5 ± .56	12.9	85	14 ± .25	8 ± .25	35.9 ± .51
			in	4.016 ± .060	.800 ± .010	1.476 ± .022	0.507	3.346	.551 ± .010	.315 ± .010	1.415 ± .020

To order, add material code to part number.

\* All E-cores available with clip recesses are also available without. NOTE: Clips are available for the EI combination of parts 41434, 41805 and 42216 only.

FIGURE 1

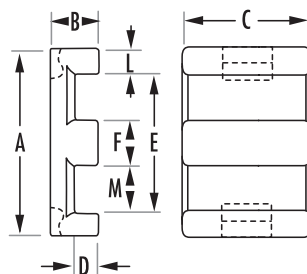


FIGURE 2

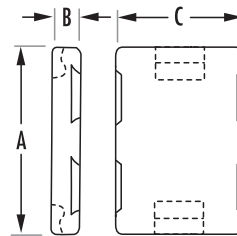
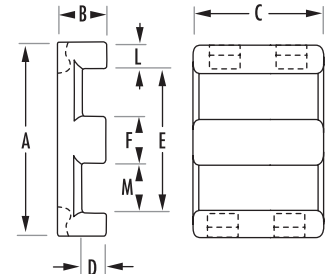


FIGURE 4



# Planar Core Data (ungapped)

# Planar E, I Cores

MOUNTING CLAMP

A <sub>L</sub> (mH/1000T)														
COMB.	POWER MATERIALS			HIGH PERMEABILITY MATERIALS		MAGNETIC DATA							AVAILABLE HARDWARE	
	R	P	F*	J	W	l <sub>e</sub> (mm)	A <sub>e</sub> (mm <sup>2</sup> )	A MIN (mm <sup>2</sup> )	V <sub>e</sub> (mm <sup>3</sup> )	CORE WEIGHT (grams per set)	BOBBIN WINDOW AREA (cm <sup>2</sup> )	WaAc (cm <sup>4</sup> )		
E-I	Min	7100	7730	12400	-	-	43.7	194.0	194.0	8460	42.5	0.406	0.78	
E-E	Min	3150	3430	5488	6860	-	51.9	101.0	95.1	5220.0	26	0.66	0.667	
E-I	Min	3690	4013	6421	8026	-	43.8	99.5	95.1	4360.0	21	0.33	0.328	
E-E	Min	6420	6982	11172	13966	-	57.5	227	227	13100	64	0.96	2.18	
E-I	Min	7600	8261	13200	16400	-	50.4	229	229	11500	54	0.48	1.09	
E-E	Min	6000	6530	10450	13000	22800	61.5	227	227	14000	70.6	1.18	2.68	
E-I	Min	7350	8000	12800	15900	27900	50.6	227.0	227.0	11500.0	58	0.588	1.34	
E-E	Min	6030	6550	10500	12100	-	81.2	301.0	279.0	24600.0	125	2.5	7.53	✓
E-I	Min	7210	7840	12500	14500	-	68.3	303.0	279.0	20700.0	105	1.25	3.79	✓
E-E	Min	11500	12500	20000	22000	38500	77.4	516.0	516.0	40000.0	200	1.78	9.18	
E-E	Min	11100	12100	19400	21200	37200	80.2	516.0	516.0	41400.0	195	2.02	10.4	✓
E-I	Min	12800	13900	22200	24100	42200	69.9	516.0	516.0	36100.0	170	1.01	5.21	✓
E-E	Min	6330	6880	11000	-	-	148.0	540.0	525.0	79800.0	400	8.5	46	

\* F material nominal ± 25%

FIGURE 5

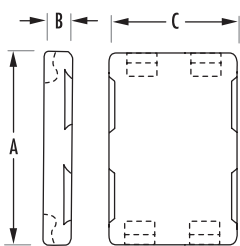


FIGURE 7

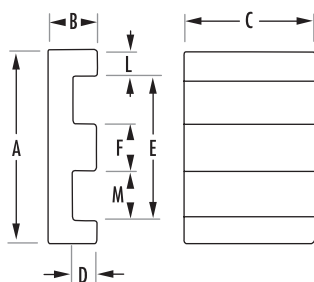
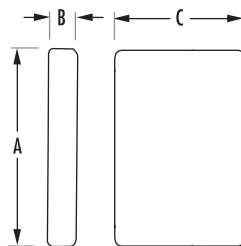


FIGURE 8



## Clamps

MECHANICAL DIMENSIONS									
PART	CORE SIZE	FIG.		A	B	C	D	E	MATERIAL
00C143420	41434EC/IC 1	1	mm	14	5.4	2.21	13.59	0.3048	Stainless Steel
			in	$.551 \pm .020$	$.2126 \pm .004$	0.087	$.535 \pm .015$	0.012	
00C180520	41805EC/IC 1	1	mm	18.01	6.61	2.2098	17.6	0.4064	Stainless Steel
			in	$0.709 \pm .008$	$.260 \pm .004$	0.087	$.693 \pm .020$	0.016	
00C221620	42216EC/IC 3	3	mm	22.2	8.74	2.4892	21.4122	0.4064	Stainless Steel
			in	$0.874 \pm .008$	$.3425 \pm .004$	0.098	0.843	0.016	

FIGURE 1

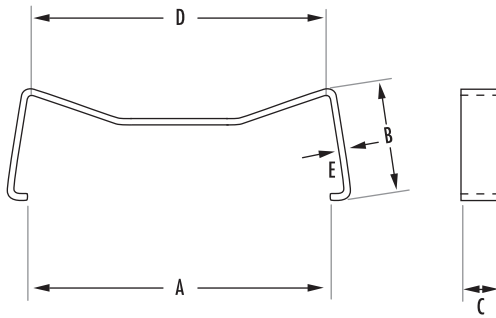
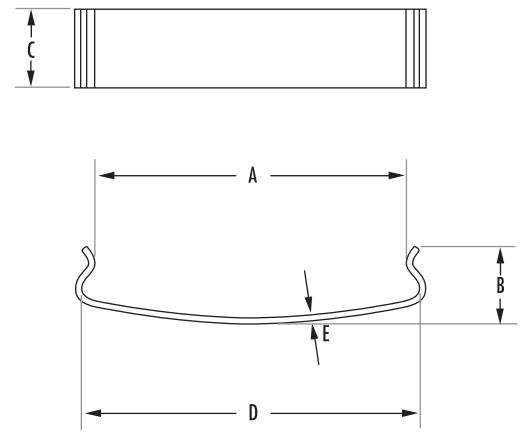


FIGURE 2



## Clamps

MECHANICAL DIMENSIONS									
PART	CORE SIZE	FIG.		A	B	C	D	E	MATERIAL
00C581001	45810EC/EC 2	2	mm	18.24	4.57	4.5	19.87	0.381	Stainless Spring Steel
			in	.718 ± .006	.180 ref	.177 ± .004	.782 ± .006	.015 ± .001	
00C581002	45810EC/IC 2	2	mm	11.61		4.5	13.23	0.381	Stainless Spring Steel
			in	.457 ± .006		0.177	.521 ± .006	.015 ± .001	
00C641001	46410EC/EC 2	2	mm	17.58	4.57	4.5	9.2	0.381	Stainless Spring Steel
			in	.692 ± .006	.180 ref	.177 ± .004	.756 ± .006	.015 ± .001	
00C641002	46410EC/IC 2	2	mm	11.86	4.57	4.5	13.72	0.381	Stainless Spring Steel
			in	.467 ± .006	.180 ref	.177 ± .004	.540 ± .006	.015 ± .001	

FIGURE 3

