

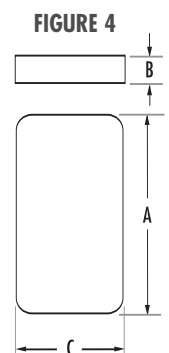
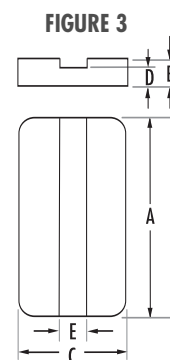
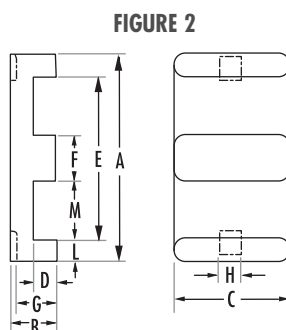
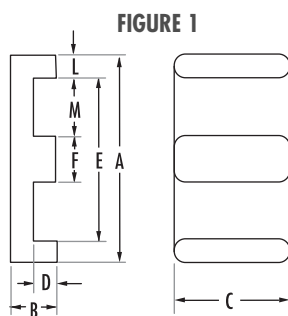
Planar Core Data (ungapped)

Any practical gap available. See pages 1.8-1.11

MECHANICAL DIMENSIONS (mm)										
PART	CORE TYPE	FIG.	A	B	C	D	E	F	L	M
O_41425EC		1	14 ± .3	2.5 ± .1	5 ± .1	1 ± .1	11 ± .25	3 ± .1	1.5 ref	4 ref
C_41434EC*	E14	2	14 ± .3	3.5 ± .1	5 ± .15	1.91 min	10.5 min	3 ± .1	1.5 ref	4 ref
C_41434IC	I14	3	14 ± .3	1.8 ± .05	5 ± .15	1.5 ± .1	2.5 ± .2, -0	-	-	-
C_41805EC*	E18	2	18 ± .35	4 ± .1	10 ± .2	2 ± .1	14 ± .3	4 ± .1	2.0 ref	5.0 ref
C_41805IC	I18	3	18 ± .35	2.4 ± .05	10 ± .2	2 ± .1	2.5 ± .2, -0	-	-	-
F_41805EC	E18	1	18 ± .35	4 ± .1	10 ± .2	2 ± .1	13 min	4 ± .1	2 ref	5 ref
F_41805IC	I18	4	18 ± .41	2.39 ± .1	10 ± .2	-	-	-	-	-
O_42107EC		1	21.8 ± .4	3.91 ± .08	7.8 ± .5	1.73 ± .2	16.8 ± .3	5 ± .2	2.5 ± .12	5.89 ± .25
C_42216EC*	E22	2	21.8 ± .4	5.7 ± .1	15.8 ± .3	3.2 ± .1	16.8 ± .4	5 ± .1	2.5 ref	5.9 ref
C_42216IC	I22	3	21.8 ± .4	2.9 ± .05	15.8 ± .3	2.5 ± .1	2.9 ± .2, -0	-	-	-
F_43208EC	E32	1	31.75 ± .64	6.35 ± .13	20.32 ± .41	3.18 ± .2	24.9 min	6.35 ± .13	3.18	9.27
F_43208IC	I32	4	31.75 ± .64	3.18 ± .13	20.32 ± .41	-	-	-	-	-
O_43618EC		1	35.56 ± .5	6.35 ± .13	17.8 ± .4	2.41 min	27.2 min	7.62 ± .18	3.81 ± .13	10.16 ± .25
O_43618IC		4	36.58 ± .51	3.81 ± .25	18.29 ± .38	-	-	-	-	-
F_43808EC	E38	1	38.1 ± .76	8.26 ± .13	25.4 ± .51	4.45 ± .13	30.23 min	7.62 ± .15	3.81	11.43

To order, add material code to part number.

NOTE: Clamps are available for the EI combination of parts 41434, 41805 and 42216 only.



Planar Core Data (ungapped)

Planar E, I Cores

A _L (mH/1000T) min													
POWER MATERIALS					HIGH PERMEABILITY MATERIALS		MAGNETIC DATA						
PART	COMB.	P	R	F*	J	W	l _e (mm)	A _e (mm ²)	A _{min} (mm ²)	V _e (mm ³)	CORE WEIGHT (grams per set)	BOBBIN WINDOW AREA (cm ²)	W _{aAc} (cm ⁴)
O_41425EC	E-E	1,196	1,139	1,765	2,650	4,260	16.7	14.7	14.7	244	1.2	0.064	0.009
C_41434EC*	E-E	1,049	995	1,563	2,140	3,420	20.7	14.66	14.66	303.9	1.5	0.128	0.01
C_41434IC	E-I	1,185	1,124	1,749	2,880	-	16.4	14.2	11.4	230	1.2	0.064	0.009
C_41805EC*	E-E	2,520	2,433	4,380	5,470	-	24.2	40.1	39.9	972	4.9	0.16	0.06
C_41805IC	E-I	2,851	2,705	4,241	6,450	-	20.3	39.5	35.9	830	4.1	0.08	0.03
F_41805EC*	E-E	2,573	2,433	3,853	-	-	24.2	40.1	39.9	972	-	-	-
F_41805IC	E-I	2,878	2,731	4,278	-	-	20.3	40.1	39.9	813	-	-	-
O_42107EC	E-E	2,769	2,586	4,271	4,350	8,260	25.7	37.1	36	960	4.2	0.15	0.05
C_42216EC*	E-E	4,040	3,800	6,131	8,640	13,300	32.3	76	73.1	2,451	-	-	-
C_42216IC	E-I	4,880	4,610	7,327	10,750	-	26.1	80.4	72.5	2,100	10.4	0.15	0.12
F_43208EC	E-E	5,673	5,318	8,672	10,930	-	41.4	130	130	5,380	26	0.51	0.66
F_43208IC	E-I	6,422	6,036	9,760	12,892	-	35.1	130	130	4,560	22	0.25	0.33
O_43618EC	E-E	5,800	5,435	8,877	-	-	42.4	135	135	5,750	28	0.412	0.55
O_43618IC	E-I	6,382	5,991	9,725	12,760	21,600	37.4	135	135	5,060	25	0.206	0.27
F_43808EC	E-E	7,006	6,548	10,784	-	-	52.4	194	194	10,200	50.9	0.813	1.56

* F material nominal ± 25%

AVAILABLE
HARDWARE

C_41434IC
C_41805IC
C_42216IC

MOUNTING CLAMP

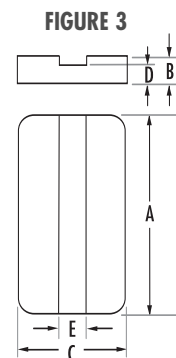
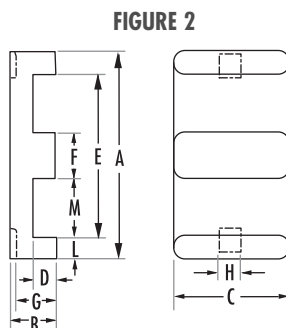
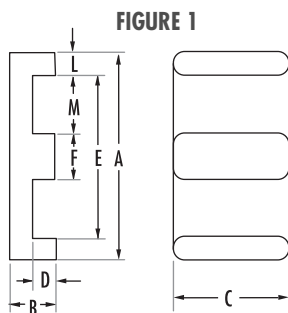
Planar Core Data (ungapped)

Any practical gap available. See pages 1.8-1.11

MECHANICAL DIMENSIONS (mm)										
PART	CORE TYPE	FIG.	A	B	C	D	E	F	L	M
F_43808IC	I38	4	38.1 ± .76	3.81 ± .13	25.4 ± .51	-	-	-	-	-
O_44008EC		1	46.65 ± .5	8.51 ± .25	10.7 ± .25	4.06 ± .25	30.45 ± .3	10.15 ± .15	5.1 ref	10.15 ref
O_44008IC		4	40.64 ± .51	4.45 ± .25	10.7 ± .25	-	-	-	-	-
O_44308EC		1	43.2 ± .9	8.51 ± .25	27.9 ± .6	4.19 min	34.7 min	8.1 ± .2	4.7 max	13.2 min
O_44308IC		4	43.2 ± .9	4.1 ± .13	27.9 ± .6	-	-	-	-	-
F_44310EC	E43	1	43.2 ± .9	9.53 ± .13	27.9 ± .6	5.4 ± .13	34.7 min	8.1 ± .2	4.7 max	13.2 min
F_44310IC	I43	4	43.18 ± .51	4.06 ± .12	27.9 ± .38	-	-	-	-	-
C_45810EC*	E58	5	58.42 ± 1.17	10.54 ± .2	38.1 ± .78	6.35 min	50.39 min	8.1 ± .2	3.66 ref	21.5 ± .25
C_45810IC	I58	6	58.42 ± 1.17	4.04 ± .12	38.1 ± .78	-	-	-	-	-
F_45810EC	E58	1	58.42 ± 1.17	10.54 ± .2	38.1 ± .78	6.35 min	50.39 min	8.1 ± .2	3.66 ref	21.5 ± .25
F_45810IC	I58	4	58.42 ± 1.17	4.06 ± .6	38.1 ± .78	-	-	-	-	-
C_46410EC*	E64	5	64 ± .76	10.2 ± .1	50.8 ± .81	5.03 min	53.16 min	10.16 ± .18	5.08 ± .12	21.8 ± .25
C_46410IC	I64	6	64.01 ± 1.27	5.08 ± .13	50.8 ± 1.02	-	-	-	-	-
F_46410EC	E64	1	64 ± .76	10.2 ± .1	50.8 ± .81	5.03 min	53.16 min	10.16 ± .18	5.08 ± .12	21.8 ± .25
F_46410IC	I64	4	64.01 ± 1.27	5.08 ± .13	50.8 ± 1.02	-	-	-	-	-
O_49938EC	E102	1	102 ± 1.52	20.3 ± .25	37.5 ± .4	13.3 ± .25	86 ± 1	14 ± .25	8 ref	36 ref

To order, add material code to part number.

Clips are available for the EI combination of parts 41434, 41805 and 42216 only.



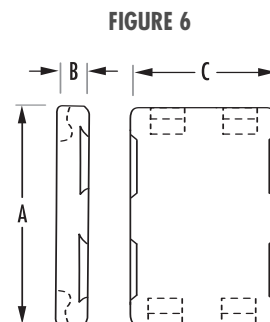
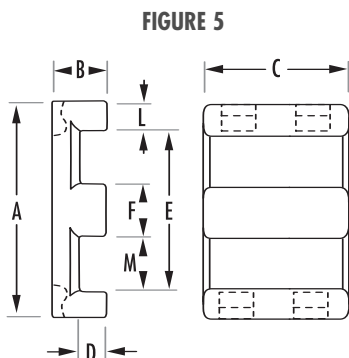
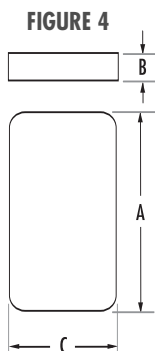
Planar Core Data (ungapped)

Planar E, I Cores

A_L (mH/1000T) min

POWER MATERIALS					HIGH PERMEABILITY MATERIALS		MAGNETIC DATA						
PART	COMB.	P	R	F*	J	W	l_e (mm)	A_e (mm ²)	A_{min} (mm ²)	V_e (mm ³)	CORE WEIGHT (grams per set)	BOBBIN WINDOW AREA (cm ²)	W_{aC} (cm ⁴)
F_43808IC	E-I	8,132	7,618	12,458	-	-	43.7	194	194	8,460	42.5	0.406	0.78
O_44008EC	E-E	3,748	3,500	5,785	6,338	-	51.9	101	95.1	5,220	26	0.66	0.66
O_44008IC	E-I	4,245	3,971	6,523	7,035	-	43.8	99.5	95.1	4,360	21	0.33	0.32
O_44308EC	E-E	7,611	7,106	11,750	13,966	-	57.5	227	227	13,100	64	0.96	2.18
O_44308IC	E-I	8,525	7,973	13,107	16,400	-	50.4	229	229	11,500	54	0.48	1.09
F_44310EC	E-E	7,292	6,804	11,275	13,000	22,800	61.1	229	229	18,900	70.6	1.18	2.68
F_44310IC	E-I	8,525	7,973	13,107	15,900	27,900	50.4	229	229	11,500	58	0.588	1.34
C_45810EC*	E-E	7,546	7,019	11,753	12,100	-	81.2	301	279	24,600	125	2.5	7.53
C_45810IC	E-I	8,525	7,973	13,107	14,500	-	68.3	305	281	20,829	105	1.25	3.79
F_45810EC	E-E	7,546	7,019	11,753	-	-	81.2	301	279	24,600	-	-	-
F_45810IC	E-I	8,844	8,242	13,713	-	-	68.3	305	281	20,829	-	-	-
C_46410EC*	E-E	13,020	12,116	20,260	21,200	37,200	80.2	516	516	41,400	195	2.02	10.4
C_46410IC	E-I	14,515	13,524	22,200	24,100	42,200	69.9	511	511	35,539	170	1.01	5.21
F_46410EC	E-E	13,020	12,116	20,260	-	-	80.2	516	516	41,400	-	-	-
F_46410IC	E-I	14,567	12,473	22,594	-	-	69.9	511	511	35,539	-	-	-
O_49938EC	E-E	7,949	7,358	12,530	-	-	148	540	525	79,800	400	8.5	46

* F material nominal $\pm 25\%$



AVAILABLE
HARDWARE

C_45810EC*
C_45810IC
C_46410EC*
C_46410IC

MOUNTING CLAMP

Clamps

MECHANICAL DIMENSIONS (mm)								
PART	CORE SIZE	FIG.	A	B	C	D	E	MATERIAL
00C143420	41434EC/IC 1		14	5.4	2.21	13.59	0.3	Stainless Steel
00C180520	41805EC/IC 1		18.01	6.61	2.2	17.6	0.4	Stainless Steel
00C221620	42216EC/IC 3		22.2	8.74	2.48	21.41	0.4	Stainless Steel

FIGURE 1

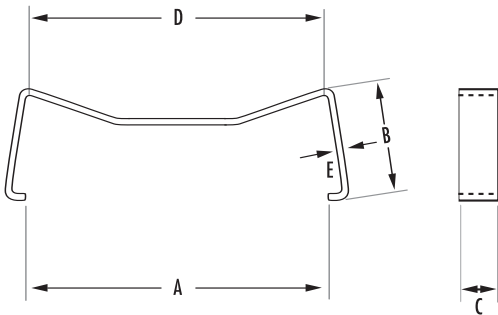
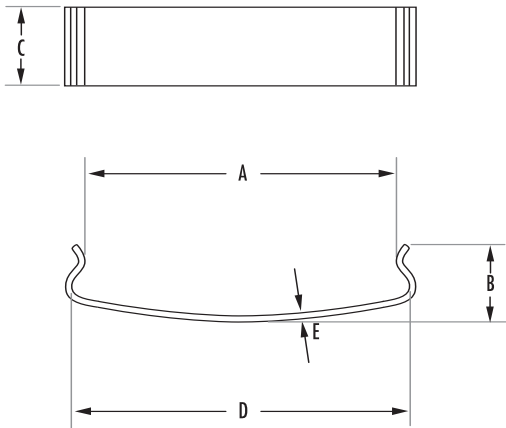


FIGURE 2



Clamps

MECHANICAL DIMENSIONS (mm)								
PART	CORE SIZE	FIG.	A	B	C	D	E	MATERIAL
00C581001	45810EC/EC	2	18.24	4.57	4.5	19.87	0.38	Stainless Spring Steel
00C581002	45810EC/IC	2	11.61	-	4.5	13.23	0.38	Stainless Spring Steel
00C641001	46410EC/EC	2	17.58	4.57	4.5	9.2	0.38	Stainless Spring Steel
00C641002	46410EC/IC	2	11.86	4.57	4.5	13.72	0.38	Stainless Spring Steel

