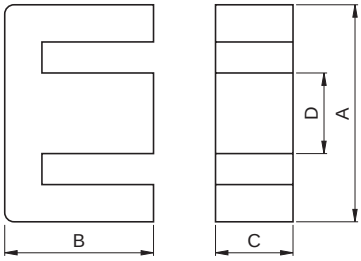
Ferrite Cores

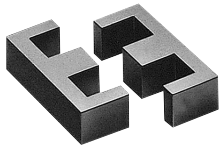
EE, EF Series

For Power Supply

EE, EF Cores

CORE SHAPES AND DIMENSIONS/CHARACTERISTICS





Type	Dimensions (mm)				Ae	le	Weight
	A	B	C	D	(mm^2)	(mm)	(g)
EE8	8.3±0.2	4±0.1	3.6±0.2	1.85±0.15	7	19.2	0.7
EE10/11	10.2±0.2	5.5±0.1	4.75±0.15	2.45±0.15	12.1	26.1	1.5
EF12.6	12.7±0.4	6.4±0.1	3.6±0.2	3.65±0.15	13	29.6	2
EE13	13±0.2	6±0.15	6.15±0.15	2.75±0.15	17.1	30.2	2.7
EE16	16±0.3	7.2±0.1	4.8±0.2	4±0.2	19.2	35	3.3
SEE16	16±0.3	7.15±0.15	6.8±0.2	3.175±0.175	21.7	36.6	4.1
EF16	16.1±0.6	8.05±0.15	4.5±0.2	4.55±0.15	20.1	37.6	3.9
EE19	19.1±0.3	7.95±0.15	5±0.2	4.55±0.15	23	39.4	4.8
EE19/16	19.29±0.32	8.1±0.18	4.75±0.13	4.75±0.08	22.4	39.1	4.8
EE20/20/5	20.15±0.55	10±0.2	5.1±0.2	5±0.2	31	43	7.5
EF20	20±0.4	9.9±0.2	5.65±0.25	5.7±0.2	33.5	44.9	7.4
EE22	22±0.3	9.35±0.15	5.75±0.25	5.75±0.25	41	39.6	8.8
EE25/19	25.4±0.5	9.46±0.19	6.29±0.19	6.35±0.25	40	48.7	9.1
EF25	25.05±0.75	12.55±0.25	7.2±0.3	7.25±0.25	51.8	57.8	15
EE25.4	25.4±0.76	9.66±0.15	6.35±0.25	6.35±0.25	40.3	48.7	10
EE30	30±0.5	13.15±0.15	10.7±0.3	10.7±0.3	109	57.7	32
EE30/30/7	30.1±0.7	15±0.2	7.05±0.25	6.95±0.25	59.7	66.9	22
EF32	32.1±0.8	16.1±0.3	9.15±0.35	9.2±0.3	83.2	74.3	32
EE35	34.54±1	14.33±0.35	9.53±0.38	9.39±0.27	89.4	69.2	33
EE35/28B	34.6±0.5	14.27±0.3	9.31±0.3	9.4±0.3	84.9	69.6	28
EE40	40±0.5	17±0.3	10.7±0.3	10.7±0.3	127	77	50
EE41/33C	41.07±0.81	16.78±0.13	12.57±0.38	12.64±0.25	156.7	77.6	64
EE42/42/15	42.15±0.85	21±0.2	14.95±0.25	11.95±0.25	182	97	80
EE42/42/20	42.15±0.85	21±0.2	19.7±0.3	11.95±0.25	235	97.4	116
EE47/39	47.12±0.76	19.63±0.2	15.62±0.25	15.62±0.25	242	90.6	108
EE50	50±0.7	21.3±0.3	14.6±0.4	14.6±0.4	226	95.8	116
EE50.3/51/6	50.3±0.8	25.6±0.25	6.1±0.2	19.9±0.35	121	105	68
EE55/55/21	55.15±1.05	27.5±0.3	20.7±0.3	16.95±0.25	354	123	234
EE57/47	56.57±1	23.6±0.23	18.8±0.25	18.8±0.25	344	102	190
EE60	60±0.8	22.3±0.3	15.6±0.4	15.6±0.4	247	110	135
EE62.3/62/6	62.3±1.2	31±0.25	6.1±0.2	25.3±0.5	153	126	102

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ELECTRICAL CHARACTERISTICS

WITHOUT AIR GAP

Part No.	AL-value* (nH/N^2) [1kHz, 0.5mA, 100Ts]	Calculated output power* (W) [100kHz]
PC40EE8-Z	610±25%	
PC40EE10/11-Z	850±25%	9.4
PC40EF12.6-Z	810±25%	
PC40EE13-Z	1130±25%	17
PC40EE16-Z	1140±25%	
PC40SEE16-Z	1240±25%	32
PC40EF16-Z	1100±25%	
PC40EE19-Z	1250±25%	
H5C2EE19/16-Z	5830±30%	
PC40EE19/16-Z	1350±25%	
PC40EE20/20/5-Z	1460±25%	41
PC40EF20-Z	1570±25%	
PC40EE22-Z	2180±25%	
H5C2EE25/19-Z	8520±30%	
PC40EE25/19-Z	2000±25%	70
PC40EF25-Z	2000±25%	
PC40EE25.4-Z	2000±25%	
PC40EE30-Z	4690±25%	
PC40EE30/30/7-Z	2100±25%	133
PC40EF32-Z	2590±25%	
PC40EF35-Z	3170±25%	
PC40EE35/28B-Z	2950±25%	
PC40EE40-Z	4150±25%	
PC40EE41/33C-Z	5060±25%	
PC40EE42/42/15-Z	4700±25%	419
PC40EE42/42/20-Z	6100±25%	
PC40EE47/39-Z	6660±25%	
PC40EE50-Z	6110±25%	
PC40EE50.3/51/6-Z	2900±25%	213
PC40EE55/55/21-Z	7100±25%	814
PC40EE57/47-Z	8530±25%	
PC40EE60-Z	5670±25%	
PC40EE62.3/62/6-Z	3100±25%	250

*The values were obtained with forward converter mode.

WITH AIR GAP

Part No.	AL-value (nH/N^2) [1kHz, 0.5mA, 100Ts]
PC40EE8AXXX*	40±7%, 63±10%
PC40EE10/11AXXX	40±7%, 63±10%
PC40EF12.6AXXX	63±7%, 100±10%
PC40EE13AXXX	63±7%, 100±10%
PC40EE16AXXX	80±7%, 160±10%
PC40SEE16AXXX	80±7%, 160±10%
PC40EF16AXXX	63±7%, 100±10%
PC40EE19AXXX	80±7%, 160±10%
PC40EE19/16AXXX	80±7%, 160±10%
PC40EE20/20/5AXXX	100±7%, 160±10%
PC40EF20AXXX	100±7%, 160±10%
PC40EE22AXXX	125±7%, 250±10%
PC40EE25/19AXXX	100±7%, 200±10%
PC40EF25AXXX	100±7%, 160±10%
PC40EE25.4AXXX	125±7%, 250±10%
PC40EE30AXXX	200±5%, 400±7%
PC40EE30/30/7AXXX	160±5%, 250±7%
PC40EF32AXXX	160±5%, 250±7%
PC40EE35AXXX	200±5%, 400±7%
PC40EE35/28BAXXX	200±5%, 400±7%
PC40EE40AXXX	200±5%, 400±7%
PC40EE41/33CAXXX	200±5%, 400±7%
PC40EE42/42/15AXXX	250±5%, 400±7%
PC40EE42/42/20AXXX	250±5%, 400±7%
PC40EE47/39AXXX	250±5%, 400±7%
PC40EE50AXXX	250±5%, 500±7%
PC40EE50.3/51/6AXXX	200±5%, 400±7%
PC40EE55/55/21AXXX	250±5%, 400±7%
PC40EE57/47AXXX	250±5%, 400±7%
PC40EE60AXXX	250±5%, 500±7%
PC40EE62.3/62/6AXXX	200±5%, 400±7%

*XXX: AL-value

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EE BOBBINS

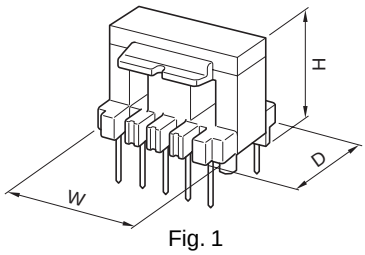

Fig. 1

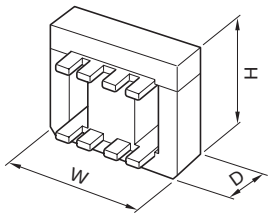

Fig. 2

WITH PIN TERMINAL (Fig. 1)

Part No.	No. of pin terminal	Dimensions (mm)			Clamp
		W	D	H	
BE-8-116CPH	6	8.3	8	8	
BE-10-118CPS	8	10.4	10.2	11.2	
BE-13-1110CPS	10	13.2	12.7	12.3	
BE-16-116CP	6	16.3	13.1	14.6	
BE-16-1110CPN	10	16.3	13.1	15.6	
BE-16-118CPH	8	16.5	14.6	13.6	
BES-16-1110CPS	10	16.3	14.1	16.3	
BE-19-116CP	6	20.3	16.7	16.2	
BE-19-118CPH	8	20.3	16.2	18.8	
BE-22-118CP	8	22.3	17.1	20.1	
BE-30-1110CP	10	30.4	25.1	28.6	FE-30-F
BE-30-1112CP	12	30.4	25.1	28.6	FE-30-G
BE-40-1112CP	12	40.5	30.2	35.8	FE-40-F, FE-40-G
BE-40-1112CPN	12	40.5	30.2	35.7	
BE-50-1112CP	12	50.7	36.2	43.6	FE-50-F, FE-50-G
BE-50.3/51/6-1112CPH	12	52	77	16.2	
BE-60-1112CP	12	60.8	45.2	45.1	FE-60-F, FE-60-G
BE-62.3/62/6-1112CPH	12	64	88	16.2	

• Material: FR phenol, UL Grade: 94V-0, Pin material: Steel wire (Solder plated)

WITHOUT PIN TERMINAL (Fig. 2)

Part No.	Dimensions (mm)			Material [UL Grade]	Clamp
	W	D	H		
BE-19-5116	20.3	14.9	16.2	6-Nylon[94V-0]	
BE-22-5116	22.3	13.1	19.5	6-Nylon[94V-0]	
BE-25-5116	25.8	19.2	18.7	6-Nylon[94V-0]	
BE-30-5112	30.4	21.1	27.2	6-Nylon[94V-0]	FE-30-F, FE-30-G
BE-40-5112	40.5	29.4	35.3	6-Nylon[94V-0]	FE-40-F, FE-40-G
BE-50-5112	50.7	35.8	43	6-Nylon[94V-0]	FE-50-F, FE-50-G
BE-60-5112	60.8	46	45	6-Nylon[94V-0]	FE-60-F, FE-60-G

• Material: 6-Nylon, UL Grade: 94V-0