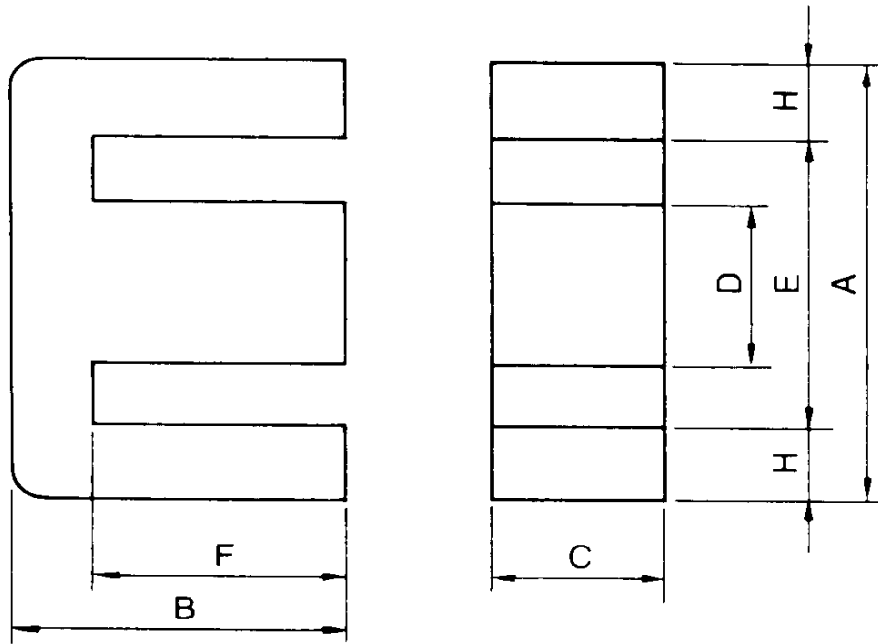


TDK EE/EF Cores

Mechanical and Electrical Data

TDK produces Ferrite cores in EE and EF shapes in both Japan and in the United States. This file shows a combination of both cores. Cores made in the United States are designated by an "H" in the part number and are sold as pieces.



PART NUMBER		Cntry of Origin	A	B	C	D	E min.	F	H ref.
EE 8-Z	mm	Japan	8.3±0.2	4.0±0.1	3.6±0.2	1.85±0.15	6.0	3.0±0.1	1.0
	in		.327±.008	.157±.004	.142±.008	.073±.006	.236	.118±.004	.039
EE10/11-Z	mm	Japan	10.2±0.2	5.5±0.1	4.75±0.15	2.45±0.15	7.7	4.2±0.15	1.1
	in		.402±.008	.217±.004	.187±.006	.096±.006	.303	.165±.006	.043
EF12.6-Z (E13/7/4)	mm	Japan	12.7±0.4	6.4±0.1	3.6±0.2	3.65±0.15	8.8	4.65±0.15	1.83
	in		.500±.016	.252±.004	.142±.008	.144±.006	.346	.183±.006	.072
EE13-Z	mm	Japan	13.0±0.2	6.0±0.15	6.15±0.15	2.75±0.15	10.0	4.6±0.1	1.4
	in		.512±.008	.236±.006	.242±.006	.108±.006	.394	.181±.004	.055
EE16-Z	mm	Japan	16.0±0.3	7.2±0.1	4.8±0.2	4.0±0.2	11.7	5.175±0.075	2.0
	in		.630±.012	.283±.004	.189±.008	.157±.008	.461	.204±.003	.079
HE16	mm	U.S.A.	16.0±0.3	7.15±0.15	4.8±0.2	4.0±0.2	11.7	5.1±0.1	2.0
	in		.630±.012	0.281±.006	.189±.008	.157±.008	.461	.200±.004	.079
SEE16-Z	mm	Japan	16.0±0.3	7.15±0.15	6.8±0.2	3.175±0.175	12.5	5.5±0.1	1.6
	in		.630±.012	0.281±.006	.268±.008	.125±.007	.492	.217±.004	.063

TDK EE/EF Cores

Mechanical and Electrical Data

PART NUMBER		Cntry of Origin	A	B	C	D	E min.	F	H ref.
EF16-Z	mm	Japan	16.1±0.6	8.05±0.15	4.5±0.2	4.55±0.15	11.3	5.9±0.2	2.2
(E16/8/5)	in		.634±.024	.317±.006	.177±.008	.179±.006	.445	.232±.008	.087
EE19-Z	mm	Japan	19.1±0.3	7.95±0.15	5.0±0.2	4.55±0.15	14.2	5.6±0.1	2.3
	in		.752±.012	.313±.006	.197±.008	.179±.006	.559	.220±.004	.091
EE19/16-Z	mm	Japan	19.29±0.32	8.1±0.18	4.75±0.13	4.75±0.08	14.05	5.715±0.125	2.46
	in		.759±.013	.319±.007	.187±.005	.187±.003	.553	.225±.005	.097
HE19/16	mm	U.S.A.	19.29±0.32	8.1±0.18	4.75±0.13	4.75±0.08	14.05	5.715±0.125	2.46
	in		.759±.013	.319±.007	.187±.005	.187±.003	.553	.225±.005	.097
EE20/20/5-Z	mm	Japan	20.15±0.55	10.0±0.2	5.1±0.2	5.0±0.2	12.8	6.5±0.2	3.53
	in		.793±.022	.394±.008	.201±.008	.197±.008	.504	.256±.008	.139
EF20-Z	mm	Japan	20.0±0.4	9.9±0.2	5.65±0.25	5.7±0.2	14.1	7.2±0.2	2.8
(E20/10/6)	in		.787±.016	.390±.008	.222±.010	.224±.008	.555	.283±.008	.110
HEF20	mm	U.S.A.	20.0±0.4	9.9±0.2	5.65±0.25	5.7±0.2	14.1	7.2±0.2	2.8
(E20/10/6)	in		.787±.016	.390±.008	.222±.010	.224±.008	.555	.283±.008	.110
EE22-Z	mm	Japan	22.0±0.3	9.35±0.15	5.75±0.25	5.75±0.25	13.0	5.35±0.15	4.3
	in		.866±.012	.368±.006	.226±.010	.226±.010	.512	.211±.006	.169
EE25/19-Z	mm	Japan	25.4±0.5	9.46±0.19	6.29±0.19	6.35±0.25	18.55	6.41±0.19	3.11
	in		1.000±.020	.372±.007	.248±.007	.250±.010	.730	.252±.007	.122
HE25/19	mm	U.S.A.	25.4±0.5	9.46±0.19	6.29±0.19	6.35±0.25	18.55	6.41±0.19	3.11
	in		1.000±.020	.372±.007	.248±.007	.250±.010	.730	.252±.007	.122
EF25-Z	mm	Japan	25.05±0.75	12.55±0.25	7.2±0.3	7.25±0.25	17.5	8.95±0.25	3.55
(E25/13/7)	in		.986±.030	.285±.010	.283±.012	.285±.010	.689	.352±.010	.140
HEF25	mm	U.S.A.	25.05±0.75	12.55±0.25	7.2±0.3	7.25±0.25	17.5	8.95±0.25	3.55
E25/13/7)	in		.986±.030	.285±.010	.283±.012	.285±.010	.689	.352±.010	.140
EE25.4-Z	mm	Japan	25.4±0.76	9.66±0.15	6.35±0.25	6.35±0.25	18.5	6.48±0.15	3.18
	in		1.000±.030	.380±.006	.250±.010	.250±.010	.728	.255±.006	.125
EE30-Z	mm	Japan	30.0±0.5	13.15±0.15	10.7±0.3	10.7±0.3	19.7	8.15±0.15	5.0
	in		1.181±.020	.518±.006	.421±.012	.421±.012	.776	.321±.006	.197
HE30/11	mm	U.S.A.	30.10±0.51	13.13±0.20	10.69±0.31	10.69±0.28	20.00	8.13±0.20	4.88
	in		1.185±.02	.517±.008	.421±.012	.421±.011	.787	.320±.008	.192
EE30/30/7-Z	mm	Japan	30.1±0.7	15.0±0.2	7.05±0.25	6.95±0.25	19.5	9.95±0.25	5.1
	in		1.185±.028	.591±.008	.278±.010	.274±.010	.768	.392±.010	.201
EF32-Z	mm	Japan	32.1±0.8	16.1±0.3	9.15±0.35	9.2±0.3	22.7	11.6±0.3	4.4
(E32/16/9)	in		1.264±.031	.634±.012	.360±.014	.362±.012	.894	.457±.012	.173
HE33/28/13	mm	U.S.A.	33.0±0.5	14.15±0.15	12.7±0.3	9.7±0.3	23.5	9.65±0.15	4.5
	in		1.300±.02	.557±.006	.500±.012	.382±.012	.925	.380±.006	.177
EE35/28B-Z	mm	Japan	34.6±0.7	14.27±0.37	9.31±0.41	9.4±0.3	25.0	9.78±0.27	4.5
	in		1.362±.028	.562±.014	.366±.016	.370±.012	.984	.385±.011	.177
HE35/28B	mm	U.S.A.	34.6±0.7	14.27±0.37	9.31±0.41	9.4±0.3	25.0	9.78±0.27	4.9
	in		1.362±.028	.562±.014	.366±.016	.370±.012	.984	.385±.011	.193
PC40EE35-Z	mm	Japan	34.54±1.0	14.33±0.35	9.53±0.38	9.48±0.17	24.89	9.7±0.3	4.75
	in		1.360±.039	.564±.014	.375±.015	.373±.007	.980	.382±.012	.187
EE40-Z	mm	Japan	40.0±0.5	17.0±0.3	10.7±0.3	10.7±0.3	27.6	10.25±0.25	6.0
	in		1.575±.020	.669±.012	.421±.012	.421±.012	1.087	.404±.010	.236
EE41/33C-Z	mm	Japan	41.07±0.8	16.78±0.4	12.57±0.38	12.64±0.45	28.55	10.38±0.3	6.0

TDK EE/EF Cores

Mechanical and Electrical Data

PART NUMBER		Cntry of Origin	A	B	C	D	E min.	F	H ref.
	in		1.617±.031	.661±.016	.495±.015	.498±.018	1.124	.409±.012	.236
HE41/33C	mm	U.S.A.	41.07±0.81	16.78±0.13	12.57±0.25	12.64±0.25	28.55	10.38±0.20	6.00
	in		1.617±.032	.661±.005	.495±.010	.498±.010	1.124	.409±.008	.236
EE42/42/15-Z	mm	Japan	42.15±0.85	21.0±0.2	14.95±0.25	11.95±0.25	29.5	15.15±0.35	6.025
	in		1.659±.033	.827±.008	.589±.010	.470±.010	1.161	.596±.014	.237
HE42/42/15	mm	U.S.A.	42.15±0.85	21.0±0.2	14.95±0.25	11.95±0.25	29.5	15.15±0.35	6.025
	in		1.659±.033	.827±.008	.589±.010	.470±.010	1.161	.596±.014	.237
EE42/42/20-Z	mm	Japan	42.15±0.85	21.0±0.2	19.7±0.3	11.95±0.25	29.5	15.15±0.35	6.025
	in		1.659±.033	.827±.008	.776±.012	.470±.010	1.161	.596±.014	.237
HE42/42/20	mm	U.S.A.	42.15±0.85	21.0±0.2	19.7±0.3	11.95±0.25	29.5	15.15±0.35	6.025
	in		1.659±.033	.827±.008	.776±.012	.776±.012	1.161	.596±.014	.237
EE47/39-Z	mm	Japan	47.12±0.76	19.63±0.2	15.62±0.25	15.62±0.25	31.72	12.2±0.13	7.49
	in		1.855±.030	.773±.008	.615±.010	.615±.010	1.249	.480±.005	.295
EE50-Z	mm	Japan	50.0±0.7	21.3±0.3	14.6±0.4	14.6±0.4	34.5	12.75±0.25	7.5
	in		1.969±.028	.839±.012	.575±.016	.575±.016	1.359	.502±.010	.295
EE55/55/21-Z	mm	Japan	55.15±1.05	27.5±0.3	20.7±0.3	16.95±0.25	37.5	18.8±0.3	8.53
	in		2.17±.041	1.083±.012	.815±.012	.667±.010	1.476	.740±.012	.336
EE57/47-Z	mm	Japan	55.57±1.0	23.6±0.23	18.8±0.25	18.8±0.25	38.1	14.63±0.15	9.02
	in		2.227±.039	.929±.009	.740±.010	.740±.010	1.500	.576±.006	.355
EE60-Z	mm	Japan	60.0±0.8	22.3±0.3	15.6±0.4	15.6±0.4	44.0	14.05±0.25	7.7
	in		2.362±.031	.878±.012	.614±.016	.614±.016	1.732	.553±.010	.303
EE50.3/51/6-Z	mm	Japan	50.3±0.8	25.6±0.25	6.1±0.2	19.9±0.35	29.5	15.9±0.25	10
	in		1.980±.031	1.008±.010	.240±.008	.783±.014	1.161	.626±.010	.394
EE62.3/62/6-Z	mm	Japan	62.3±1.2	31.0±0.25	6.1±0.2	25.3±0.5	35.9	18.7±0.25	12.6
	in		2.453±.047	1.220±.010	.240±.008	.996±.020	1.413	.736±.010	.496

TDK EE/EF Cores

Mechanical and Electrical Data

PART NUMBER	C ₁ mm-1	A _e mm ²	l _e mm	V _e mm ³	PC40	H5C2
					A _i nH/tn ²	Al
EE 8-Z	2.75	7.0	19.2	134	610±25%	
EE10/11-Z	2.160	12.1	26.1	315	850±25%	
EF12.6-Z (E13/7/4)	2.28	13.0	29.6	385	810±25%	
EE13-Z	1.770	17.1	30.2	517	1130±25%	
EE16-Z	1.820	19.2	35.0	672	1140±25%	
HE16	1.820	19.2	35.0	672	1140±25%	
SEE16-Z	1.690	21.7	36.6	795	1240±25%	
EF16-Z (E16/8/5)	1.870	20.1	37.6	754	1100±25%	
EE19-Z	1.720	23.0	39.4	900	1250±25%	
EE19/16-Z	1.740	22.4	39.1	882	1350±25%	5830±30%
HE19/16	1.740	22.4	39.1	882	1350±25%	
EE20/20/5-Z	1.380	31.0	43.0	1340	1460±25%	
EF20-Z (E20/10/6)	1.340	33.5	44.9	1500	1570±25%	
HEF20 (E20/10/6)	1.340	33.5	44.9	1500	1570±25%	
EE22-Z	0.970	41.0	39.6	1610	2180±25%	
EE25/19-Z	1.220	40.0	48.7	1940	2000±25%	8520±30%
HE25/19	1.220	40.0	48.7	1940	2000±25%	
EF25-Z (E25/13/7)	1.110	51.8	57.8	2990	2000±25%	
HEF25 (E25/13/7)	1.110	51.8	57.8	2990	2000±25%	
EE25.4-Z	1.210	40.3	48.7	1963	2000±25%	
EE30-Z	0.527	109.0	57.7	6310	4690±25%	
HE30/11	0.527	109.0	57.7	6310	4690±25%	
EE30/30/7-Z	1.120	59.7	66.9	4000	2100±25%	

TDK EE/EF Cores

Mechanical and Electrical Data

PART NUMBER	C ₁ mm-1	A _e mm ²	l _e mm	V _e mm ³	PC40	H5C2
					A _i nH/tn ²	Al
EF32-Z (E32/16/9)	0.893	83.2	74.3	6180	2590±25%	
HE33/28/13	0.893	83.2	74.3	6180	2590±25%	
EE35/28B-Z	0.819	84.9	69.6	5907	2950±25%	
HE35/28B	0.819	84.9	69.6	5907	2950±25%	
PC40EE35-Z	0.774	89.3	69.2	6179	3170±25%	
EE40-Z	0.600	127.0	77.0	9810	4150±25%	
EE41/33C-Z	0.495	156.7	77.6	12165	5060±25%	
HE41/33C	0.495	156.7	77.6	12165	5060±25%	
EE42/42/15-Z	0.534	182.0	97.0	17600	4700±25%	
HE42/42/15	0.534	182.0	97.0	17600	4700±25%	
EE42/42/20-Z	0.415	235.0	97.4	22900	6100±.25%	
HE42/42/20	0.415	235.0	97.4	22900	6100±.25%	
EE47/39-Z	0.374	242	90.6	21930	6660±25%	
EE50-Z	0.425	226.0	95.8	21600	6110±25%	
EE55/55/21-Z	0.348	354.0	123.0	43700	7100±25%	
EE57/47-Z	0.297	344.0	102.0	35100	8530±25%	
EE60-Z	0.455	247.0	110.0	27100	5670±25%	
EE50.3/51/6-Z	0.868	120.85	104.9	12676	2900±25%	
EE62.3/62/6-Z	0.822	153.01	125.74	19240	3100±25%	