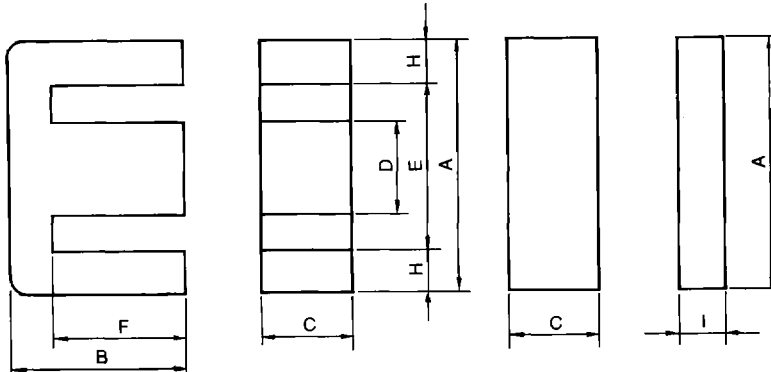
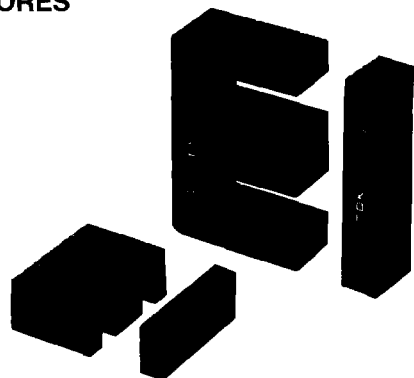


TDK Ferrite Cores

EI CORES



Part No.	JIS	Dimensions in						
		A	B	C	D	E min.	F	H
PC30EI12.5-Z PC40EI12.5-Z	JIS FEI 12.5	12.4±0.3 .488±.012	7.4±0.1 .291±.004	4.85±0.15 .191±.006	2.4±0.1 .094±.004	8.8 .346	5.1±0.1 .201±.004	1.6 .063
PC30EI16-Z PC40EI16-Z	JIS FEI 16	16.0±0.3 .630±.012	12.2±0.2 .480±.008	4.8±0.2 .189±.008	4.0±0.2 .157±.008	11.6 .457	10.2±0.2 .402±.008	2.05 .081
PC30EI19-Z PC40EI19-Z		20.0±0.3 .787±.012	13.55±0.25 .533±.010	5.0±0.2 .197±.008	4.55±0.15 .179±.006	14.3 .563	11.15±0.15 .439±.006	2.75 .108
PC30EI22-Z PC40EI22-Z		22.0±0.3 .866±.012	14.55±0.25 .573±.010	5.75±0.25 .226±.010	5.75±0.25 .226±.010	13.0 .512	10.55±0.25 .415±.010	4.5 .177
PC30EI22/19/6-Z PC40EI22/19/6-Z	JIS FEI 22	22.0±0.4 .866±.016	14.7±0.2 .579±.008	5.75±0.25 .226±.010	5.75±0.25 .226±.010	15.75 .620	10.7±0.2 .421±.008	3.0 .118
PC30EI22B-Z PC40EI22B-Z		22.0±0.5* .866±.016	15.3±0.25 .602±.010	5.6±0.2 .220±.008	5.6±0.2 .220±.008	15.6 .614	11.3±0.2 .445±.008	2.8 .110
PC30EI25-Z PC40EI25-Z		25.3±0.5 .996±.020	15.55±0.25 .612±.010	6.75±0.25 .266±.010	6.5±0.3 .256±.012	19.0 .748	12.35±0.25 .486±.010	3.0 .118
PC30EI25.4/19/6.35-Z PC40EI25.4/19/6.35-Z	JIS FEI 25.4	25.4±0.4 1.000±.016	15.85±0.3 .624±.012	6.35±0.25 .250±.010	6.35±0.3 .250±.012	18.8 .740	12.7±0.3 .500±.012	3.2 .126
PC30EI28-Z PC40EI28-Z	JIS FEI 28	28.0±0.5 1.102±.020	16.75±0.25 .659±.010	10.6±0.2 .417±.008	7.2±0.3 .283±.012	18.6 .732	12.25±0.25 .482±.010	4.5 .177
PC30EI30-Z PC40EI30-Z	JIS FEI 30	30.0±0.4 1.181±.016	21.25±0.25 .837±.010	10.7±0.3 .421±.012	10.7±0.3 .421±.012	19.8 .780	16.25±0.25 .640±.010	5.0 .197
PC30EI33-Z PC40EI33-Z	JIS FEI 33	33.0±0.5 1.299±.020	23.3±0.3 .917±.012	12.7±0.3 .500±.012	9.7±0.3 .382±.012	23.2 .913	19.05±0.3 .750±.012	4.5 .177
PC30EI33/29/13-Z PC40EI33/29/13-Z		33.0±0.5 1.299±.020	23.75±0.25 .935±.010	12.7±0.3 .500±.012	9.7±0.3 .382±.012	23.6 .929	19.25±0.25 .758±.010	4.45 .175
PC30EI35-Z PC40EI35-Z	JIS FEI 35	35.0±0.5 1.378±.020	24.25±0.25 .955±.010	10.0±0.3 .394±.012	10.0±0.3 .394±.012	24.5 .965	18.15±0.25 .715±.010	5.0 .197
PC30EI40-Z PC40EI40-Z	JIS FEI 40	40.0±0.5 1.575±.020	27.25±0.25 1.073±.010	11.65±0.35 .459±.014	11.65±0.35 .459±.014	27.2 1.071	20.25±0.25 .797±.010	6.2 .244
PC30EI44/37/15-Z PC40EI44/37/15-Z	JIS FEI 44	44.0±0.6 1.732±.024	30.25±0.25 1.191±.010	15.0±0.3 .591±.012	11.7±0.3 .461±.012	31.5 1.240	23.25±0.25 .915±.010	6.0 .236
PC30EI50-Z PC40EI50-Z	JIS FEI 50	50.0±0.7 1.969±.028	33.35±0.35 1.313±.014	14.6±0.4 .575±.016	14.6±0.4 .575±.016	34.0 1.339	24.75±0.25 .974±.010	7.7 .303
PC30EI60-Z PC40EI60-Z	JIS FEI 60	60.0±0.8 2.362±.031	35.85±0.35 1.411±.014	15.6±0.4 .614±.016	15.6±0.4 .614±.016	44.1 1.736	27.85±0.35 1.096±.014	7.7 .303
PC30EI70-Z PC40EI70-Z		70.0±1.2 2.756±.047	54.0±0.25 2.126±.010	31.6±0.5 1.244±.020	22.2±0.5 .874±.020	46.3 1.823	42.8±0.25 1.685±.010	11.1 .437

* Except I cores whose A dimension is 22.5±0.5mm [.886±.020 inches]

PRODUCT IDENTIFICATION

PC40 EI 30 — Z

(1) (2) (3) (4)

(1) Material

(2) Core type

(3) Core size

A: 30mm

(4) Air gap

Z: without air gap

G□: with air gap (in mm)

l	Parameters				Electrical characteristics			Weight (g)	Bobbin item (See page 16 to 19)
	C ₁ (mm ⁻¹)	A _e (mm ²)	l _e (mm)	V _e (mm ³)	AL* (nH/N ²)	Core loss (W) max. 200mT, 100°C			
						25 kHz	100 kHz		
1.5±0.1 .059±.004	1.477	14.4	21.3	308	1200±25% 1200±25%	0.038	0.12	1.9	BE-12.5-1110CP
2.0±0.2 .079±.008	1.79	19.8	34.6	670	1100±25% 1100±25%	0.105	0.31	3.3	BE-16-116CP BE-16-118CPH BE-16-1110CPN
2.3±0.1 .091±.004	1.629	24.0	39.6	950	1400±25% 1400±25%	0.14	0.42	5.1	BE-19-116CP BE-19-118CPH BE-19-5116
4.5±0.2 .177±.008	0.94	42.0	39.3	1630	2400±25% 2400±25%	0.205	0.6	9.8	BE-22-1110CP BE-22-118CP BE-22-5116
4.0±0.2 .157±.008	1.127	37.0	41.8	1550	2000±25% 2000±25%	0.215	0.64	8.5	BE-22/19/6-118CP
4.0±0.2 .157±.008	1.24	34.8	43.2	1500	1770±25% 1660±25%	0.24	0.69	8.3	—
2.7±0.2 .106±.008	1.146	41.0	47.0	1927	2140±25% 2140±25%	0.3	0.79	9.8	BE-25-118CP BE-25-5116
3.2±0.2 .126±.008	1.191	40.0	48.1	1950	1930±25% 1860±25%	0.3	0.90	10	—
3.5±0.3 .138±.012	0.57	86.0	48.2	4145	4300±25% 4300±25%	0.58	1.65	22	BE-28-1110CPL
5.5±0.2 .217±.008	0.522	111	58.0	6440	4850±25% 4690±25%	0.97	3.1	34	BE-30-1110CP BE-30-1112CP BE-30-5112
5.0±0.3 .197±.012	0.57	118	67.0	7906	4590±25% 4400±25%	1.2	3.5	41	—
5.0±0.3 .197±.012	0.57	118.5	67.5	8002	4590±25% 4400±25%	1.2	3.5	41	BE-33/29/13-1112CPL
4.6±0.3 .181±.012	0.662	101.4	67.1	6804	3980±25% 3800±25%	1.05	2.85	36	BE-35-1112CPL
7.5±0.3 .295±.012	0.517	148	77.0	11300	5100±25% 4860±25%	1.65	4.8	60	BE-40-1112CP BE-40-1112CPN BE-40-5112
7.0±0.3 .276±.012	0.453	192	86.9	16685	5860±25% 5460±25%	2.36	7.0	85	—
9.0±0.3 .354±.012	0.411	230	94.0	21600	6450±25% 6110±25%	3.1	9.2	115	BE-50-1112CP BE-50-5112
8.5±0.3 .335±.012	0.443	247	109.0	27100	6250±25% 5670±25%	4.1	12.5	139	BE-60-1112CP BE-60-5112
10.4±0.5 .409±.020	0.209	695	146	101180	9100 min. 8400 min.	5.5** 7.6		523	—

* AL-value: 1 kHz, 0.5mA, 100 Ts

** : 25 kHz, 150mT, 100°C [212°F]

Gapped core is available, please specify when ordering.