

# Ferrite Cores

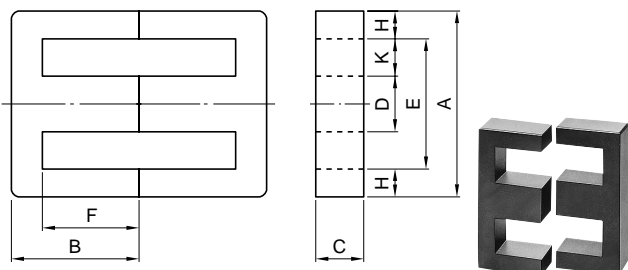
## For High Power

### High Power Cores

T, UU, EC, EIC, PQ, EE, EI, DT, SP Series

#### EE CORE

##### CORE SHAPES AND DIMENSIONS/CHARACTERISTICS

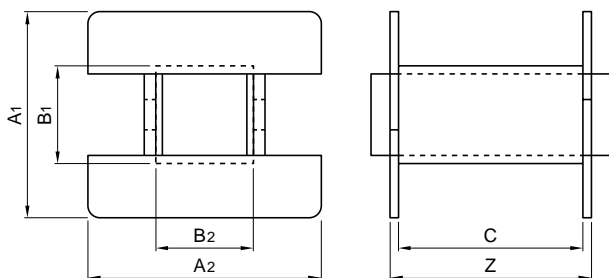


##### PRODUCT IDENTIFICATION

PE22 EE 320 × 250 × 20 - Z  
(1) (2) (3) (4) (5) (6)

- (1) Material name
- (2) Shape
- (3) Dimension A
- (4) Dimension Bx2
- (5) Thickness
- (6) Gap dimension(Z=0)

#### EE CORE BOBBIN



Part No.	AL <sup>*1</sup> (nH/N <sup>2</sup> ) ±25%	Dimensions (mm)								
		A	B×2	C	D	E	F×2	H	K	K×2F(mm <sup>2</sup> )
PE22 EE70-Z	3390	70±1.5	91±1	19.5±0.5	19.5±0.5	48.5min.	71±1	10±0.5	15.3	1086
PC40 EE70-Z	4910									
PE22 EE80X76-Z	4590	80±1.5	76±1	20±0.5	20±0.5	58.5min.	55±0.8	10±0.5	20	1100
PC40 EE80X76-Z	5720									
PE22 EE90-Z	5960	90±2	56.4±1	16.5±0.5	25±1	63min.	30.4±1	12.5±0.5	20	608
PC40 EE90-Z	7380									
PE22 EE320X250X20-Z <sup>*2</sup>	—	320±5	250±1	20±1	100±2.4	217min.	150±3	50±1	60	7950
PC40 EE320X250X20-Z <sup>*2</sup>	—									

\*1 Measuring condition: T=23°C, f=1kHz, Hm=0.4A/m

\*2 EE320x250x20-Z is a bonded product.

Part No.	Core factor						Weight (g)
	C <sub>1</sub> (mm <sup>-1</sup> )	C <sub>2</sub> ×10 <sup>-2</sup> (mm <sup>-3</sup> )	Ae(mm <sup>2</sup> )	Le(mm)	Ve(mm <sup>3</sup> )		
PE22 EE70-Z	0.52779	0.13669	386	204	78690	394	
PC40 EE70-Z							
PE22 EE80X76-Z	0.44878	0.11058	406	182	73910	372	
PC40 EE80X76-Z							
PE22 EE90-Z	0.33583	0.08009	419	141	59050	306	
PC40 EE90-Z							
PE22 EE320X250X20-Z	0.28854	0.01443	2000	577	1154160	6150	
PC40 EE320X250X20-Z							

#### EE CORE BOBBIN

Part No.	Dimensions (mm)						Cross-sectional winding area Aw(mm <sup>2</sup> )	Average winding length lw(mm)	Weight (g)	Material
	A <sub>1</sub>	A <sub>2</sub>	B <sub>1</sub>	B <sub>2</sub>	C	Z				
BE-80-S	56.56	60.92	25.52	25.52	48.16	52.3	747	168	32	PBT
BE-80-W	56.56	81.42	25.52	46.02	48.16	52.3	747	209	41	PBT