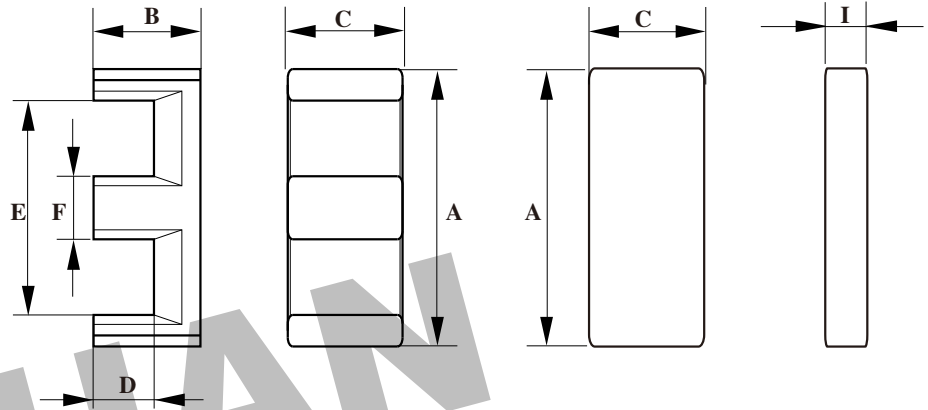


**Dimension: (UNIT:mm)**

A	21.8 ± 0.4
B	5.7 ± 0.1
C	15.8 ± 0.3
D	3.2 ± 0.1
E	16.8 ± 0.4
F	5.0 ± 0.1
I	2.5 ± 0.05

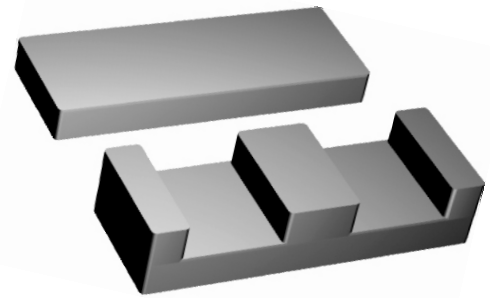


**Test conditions**

AL: F=1.0KHz U=0.3V N=10Ts

**Effective parameter**

C1(mm) <sup>1</sup>	Ae(mm <sup>2</sup> )	Le(mm)	Ve(mm <sup>3</sup> )	Weight(g)
0.33	78.5	26.1	2040	≈ 10.57



Core halves for use in combination with a plate (PLT)  
AL measured in combination with a plate (PLT),  
clamping force for AL measurements, 20 +/- 10N  
using a PCB coil containing 5 layer of 20 tracks each,  
total height 2.5mm.

Grade	AL (nH)	$\mu e$	AIR GAP $\mu m$	Type number
P3	160 ± 3%	≈ 42	≈ 950	PEI22-P3
	250 ± 3%	≈ 66	≈ 550	PEI22-P3
	315 ± 3%	≈ 83	≈ 400	PEI22-P3
	400 ± 5%	≈ 106	≈ 280	PEI22-P3
	630 ± 8%	≈ 166	≈ 160	PEI22-P3
	6450 ± 25%	≈ 1620	≈ 0	PEI22-P3
P4	160 ± 3%	≈ 42	≈ 950	PEI22-P4
	250 ± 3%	≈ 66	≈ 550	PEI22-P4
	315 ± 3%	≈ 83	≈ 400	PEI22-P4
	400 ± 5%	≈ 106	≈ 280	PEI22-P4
	630 ± 8%	≈ 166	≈ 160	PEI22-P4
	6450 ± 25%	≈ 1620	≈ 0	PEI22-P4
HQ2KA	5450 ± 25%	≈ 1440	≈ 0	PEI22-HQ2K
HQ2K	160 ± 3%	≈ 42	≈ 950	PEI22-HQ2K
	250 ± 3%	≈ 66	≈ 550	PEI22-HQ2K
	315 ± 3%	≈ 83	≈ 400	PEI22-HQ2K
	400 ± 5%	≈ 106	≈ 280	PEI22-HQ2K
	630 ± 8%	≈ 166	≈ 160	PEI22-HQ2K
	5000 ± 25%	≈ 1320	≈ 0	PEI22-HQ2K
P5	5500 ± 25%	≈ 1080	≈ 0	PEI22-P5
H12K	26000 ± 40/-30%	≈ 6900	≈ 0	PEI22-H12K

**Properties of core sets under power conditions**

Grade	B (mT)at H=250 A/m F=10KHz T=100°C	Core loss (w) at			
		F=100KHz B=100mT T=100°C	f=100 KHz B=200mT T=100°C	F=400 KHz B=50mT T=100°C	F=500 KHz B=50mT T=100°C
P3	≥ 320	≤ 0.23	-	-	-
P4	≥ 320	≤ 0.18	≤ 1.25	-	-
HQ2KA	≥ 320	≤ 0.14	≤ 1.0	≤ 0.38	≤ 0.75
HQ2K	≥ 300	≤ 0.23	-	≤ 0.4	-
P5	≥ 300	-	-	≤ 0.2	≤ 0.3

**Properties of core sets under power conditions (continued)**

Grade	B (mT)at H=250 A/m F=10KHz T=100°C	Core loss (w) at			
		F=500 KHz B=100mT T=100°C	F=1 Mhz B=30mT T=100°C	F=1.0MHz B=50mT T=100°C	F=3.0MHz B=10mT T=100°C
P5	≥ 300	≤ 2.2	-	-	-

**Note:**

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- 2: RoHS compliant.