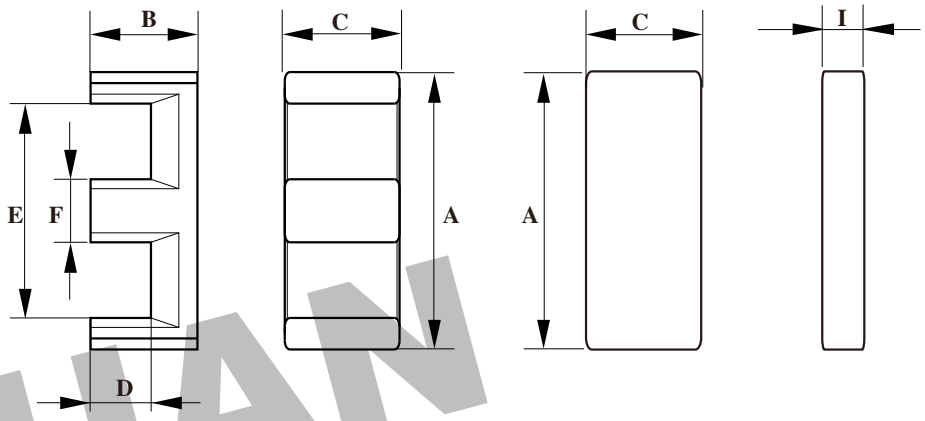
Dimension: (UNIT:mm)

A	18.0 ± 0.35
B	4.0 ± 0.1
C	10.0 ± 0.2
D	2.0 ± 0.1
E	14.0 ± 0.3
F	4.0±0.1
I	2.0±0.05

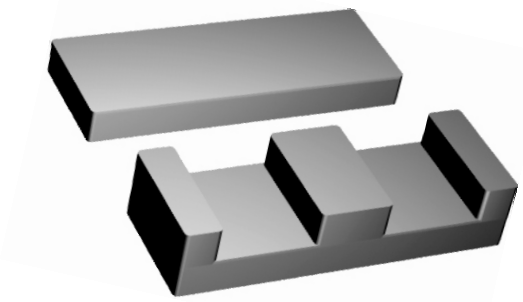


Test condiTIons

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

Effective parameter

C1(mm)$^{-1}$	Ae(mm2)	Le(mm)	Ve(mm3)	Weight(g)
0.5	40.8	20.3	830	≈4.29



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 4 layer of 8 tracks each, total height 1.6mm.

Grade	AL (nH)	μ e	AIR GAP μ m	Type number
P3	100 ± 3%	≈41	≈870	PEI18-P3
	160 ± 3%	≈65	≈470	PEI18-P3
	250 ± 5%	≈102	≈240	PEI18-P3
	315 ± 8%	≈129	≈170	PEI18-P3
	3900±25%	≈1500	≈0	PEI18-P3
P4	100 ± 3%	≈41	≈870	PEI18-P4
	160 ± 3%	≈65	≈470	PEI18-P4
	250 ± 5%	≈102	≈240	PEI18-P4
	315 ± 8%	≈129	≈170	PEI18-P4
	3900±25%	≈1500	≈0	PEI18-P4
HQ2KA	3250 ± 25%	≈1320	≈0	PEI18-HQ2K
HQ2K	100 ± 3%	≈41	≈870	PEI18-HQ2K
	160 ± 3%	≈65	≈470	PEI18-HQ2K
	250 ± 5%	≈102	≈240	PEI18-HQ2K
	315 ± 8%	≈129	≈170	PEI18-HQ2K
	3100 ± 25%	≈1270	≈0	PEI18-HQ2K
P5	3300 ± 25%	≈1020	≈0	PEI18-P5
H12K	15500+40/–30%	≈6400	≈0	PEI18-H12K

Properties of core sets under power conditions

Grade	B (mT)at	Core loss (w) at			
	H=250 A/m F=10KHz T=100℃	F=100KHz B=100mT T=100℃	f=100 KHz B=200mT T=100℃	F=400 KHz B=50mT T=100℃	F=500 KHz B=50mT T=100℃
P3	≥320	≤0.095	–	–	-
P4	≥ 320	≤0.075	≤0.5	–	-
HQ2KA	≥ 320	≤0.06	≤0.4	≤0.15	≤0.3
HQ2K	≥ 300	≤0.09	-	≤0.16	-
P5	≥ 300	-	-	≤0.08	≤0.12

Properties of core sets under power conditions (continued)

Grade	B (mT)at	Core loss (w) at			
	H=250 A/m F=10KHz T=100℃	F=500 KHz B=100mT T=100℃	F=1 Mhz B=30mT T=100℃	F=1.0MHz B=50mT T=100℃	F=3.0MHz B=10mT T=100℃
P5	≥ 300	≤0.9	–	–	–

Note:

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2:RoHS compliant.