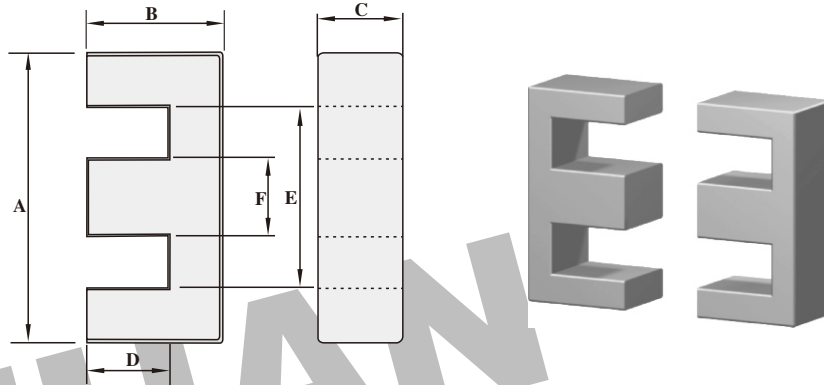


Dimension: (UNIT:mm)

A	8.3 ± 0.2
B	4.0 ± 0.1
C	3.9 ± 0.1
D	3.0 ± 0.1
E	6.3 ± 0.2
F	2.15 ± 0.15
G	
H	



Test conditions

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

Effective parameter

	C1(mm) ⁻¹	Ae(mm ²)	Le(mm)	Ve(mm ³)	Weight(g)
	2.41	7.98	19.33	154.42	≈0.4

Core halves for general purpose transformers and power applications.

Clamping force for Al measurements, 5+/-2N

Grade	AL (nH)	μe	AIR GAP μm	Type number
P3	750 ± 25%	≈ 1240	≈ 0	EE8.3-P3
P4	750 ± 25%	≈ 1150	≈ 0	EE8.3-P4
P5	600 ± 25%	≈ 898	≈ 0	EE8.3-P5

Properties of core sets under power conditions

Grade	B (mT)at	Core loss (w) at		
	H=250 A/m F=25KHz T=100 °C	f=100 KHz B=100mT T=100 °C	f=100 KHz B=200mT T=100 °C	F=400 KHz B=50mT T=100 °C
P3	≥ 320	≤ 0.005	≤ 0.029	-
P4	≥ 340	≤ 0.004	≤ 0.025	≤ 0.011
P5	≥ 300	-	-	≤ 0.005

Core halves of high permeability grades.

Clamping force for Al measurements, 5+/-2N

Grade	AL (nH)	μe	AIR GAP μm	Type number
H5K	1100 ± 25%	≈ 3800	≈ 0	EE8.3-H5K
H6K	1200 ± 25%	≈ 4500	≈ 0	EE8.3-H6K
H7K	1290 ± 25%	≈ 5100	≈ 0	EE8.3-H7K
H10K	3000 ± 25%	≈ 6180	≈ 0	EE8.3-H10K

Properties of core sets under power conditions (continued)

Grade	B (mT)at	Core loss (w) at			
	H=250 A/m F=25KHz T=100 °C	F=500 KHz B=50mT T=100 °C	F=500 KHz B=100mT T=100 °C	F=1.0MHz B=30mT T=100 °C	F=3.0MHz B=10mT T=100 °C
P3	≥ 320	-	-	-	-
P4	≥ 340	≤ 0.024	-	-	-
P5	≥ 300	≤ 0.009	≤ 0.065	≤ 0.018	≤ 0.026

Note:

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- 2: RoHS compliant.