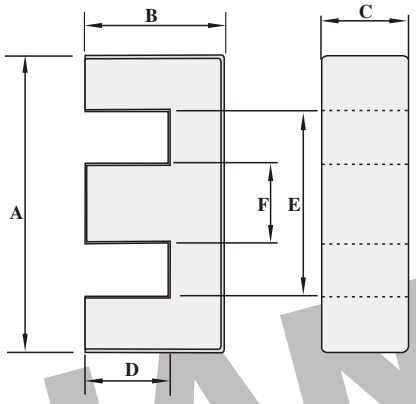
PAIRUI

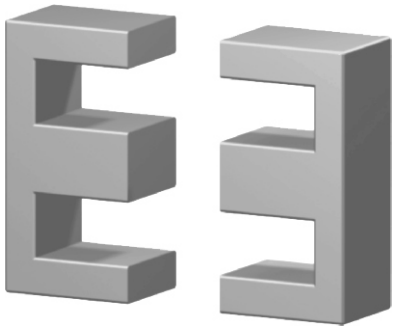
FUAN

EE19/8/5

Dimension: (UNIT:mm)

A	19.1 ± 0.4
B	8.1 ± 0.13
C	4.7 ± 0.13
D	5.7 ± 0.13
E	14.3 ± 0.3
F	4.7 ± 0.13
G	
H	





Test condiTIons

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

Effective parameter

C1(mm)$^{-1}$	Ae(mm2)	Le(mm)	Ve(mm3)	Weight(g)
1.77	22.6	39.9	900	≈2.3

Core halves of high permeability grades.
AL measured in combination with a non-gapped core half, clamping force for Al measurements,20+/-10N

Grade	AL (nH)	μe	AIR GAP μm	Type number
H7K	2300 ± 25%	≈3230	≈0	EE19/8/5-H7K

Core halves

AL measured in combination with a non-gapped core half, clamping force for Al measurements,20+/-10N

Grade	AL (nH)	μe	AIR GAP μm	Type number
P3	63 ± 5%	≈88	≈640	EE19/8/5-P3
	100 ± 8%	≈140	≈350	EE19/8/5-P3
	160 ± 8%	≈225	≈190	EE19/8/5-P3
	250 ± 15%	≈350	≈110	EE19/8/5-P3
	315 ± 15%	≈440	≈80	EE19/8/5-P3
	1170 ± 25%	≈1650	≈0	EE19/8/5-P3
P4	1170 ± 25%	≈1650	≈0	EE19/8/5-P4
HQ2KA	1000 ± 25%	≈1400	≈0	EE19/8/5-HQ2KA
HQ2K	63 ± 5%	≈88	≈640	EE19/8/5-HQ2K
	100 ± 8%	≈140	≈330	EE19/8/5-HQ2K
	160 ± 8%	≈225	≈190	EE19/8/5-HQ2K
	250 ± 15%	≈350	≈110	EE19/8/5-HQ2K
	315 ± 15%	≈440	≈80	EE19/8/5-HQ2K
	1000 ± 25%	≈1400	≈0	EE19/8/5-HQ2K
P5	810 ± 25%	≈1140	≈0	EE19/8/5-P5

Properties of core sets under power conditions

Grade	B (mT)at	Core loss (w) at			
	H=250 A/m F=25KHz T=100℃	F=25 KHz B=200mT T=100℃	f=100 KHz B=100mT T=100℃	F=100 KHz B=200mT T=100℃	F=400 KHz B=50mT T=100℃
P3	≥320	≤0.09	≤0.1	–	-
P4	≥320	-	≤0.08	≤0.45	-
HQ2KA	≥340	-	≤0.064	≤0.37	-
HQ2K	≥320	-	≤0.1	-	≤0.17
P5	≥300	-	-	-	-

Properties of core sets under power conditions (continued)

Grade	B (mT)at	Core loss (w) at			
	H=250 A/m F=25KHz T=100℃	F=500 KHz B=50mT T=100℃	F=500 KHz B=100mT T=100℃	F=1.0MHz B=30mT T=100℃	F=3.0MHz B=10mT T=100℃
P3	≥320	-	-	–	–
P4	≥320	-	-	–	–
HQ2KA	≥340	≤0.32	-	–	–
HQ2K	≥315	-	-	–	–
P5	≥300	≤0.12	≤0.95	–	–

Note:

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