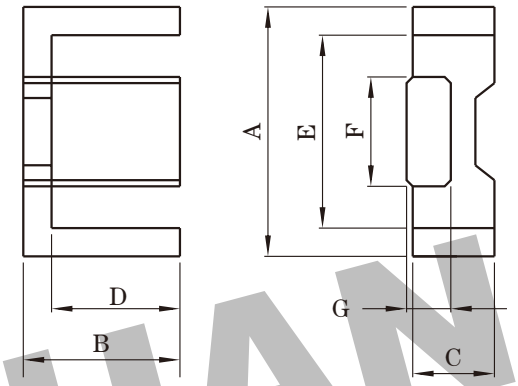
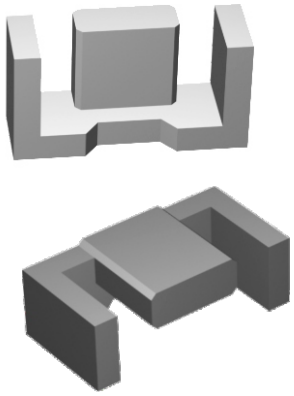
PAIRUI

FUAN
EFD 10

Dimension: (UNIT:mm)

A	10.5 ± 0.3
B	5.2 ± 0.1
C	2.7 ± 0.1
D	3.75 ± 0.15
E	7.65 ± 0.25
F	4.55±0.15
G	1.45±0.05
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)
3.29	7.2	23.7	171	≈0.45

Core sets

Clamping force for Al measurements,10+/-5N

Grade	AL (nH)	μe	AIR GAP μm	Type number
P3	25 ± 5%	≈66	≈610	EFD10-P3
	40 ± 8%	≈105	≈310	EFD10-P3
	63 ± 10%	≈165	≈170	EFD10-P3
	585 ± 25%	≈1510	≈0	EFD10-P3
P4	25 ± 5%	≈66	≈610	EFD10-P4
	40 ± 8%	≈105	≈310	EFD10-P4
	63 ± 10%	≈165	≈170	EFD10-P4
	585 ± 25%	≈1510	≈0	EFD10-P4
HQ2KA	525 ± 25%	≈1360	≈0	EFD10-HQ2KA
HQ2K	25 ± 5%	≈66	≈610	EFD10-HQ2K
	40 ± 8%	≈105	≈310	EFD10-HQ2K
	63 ± 10%	≈165	≈170	EFD10-HQ2K
	500 ± 25%	≈1290	≈0	EFD10-HQ2K
P5	400 ± 25%	≈1030	≈0	EFD10-P5

Core sets of high permeability grades.
Clamping force for Al measurements,10+/-5N

Grade	AL (nH)	μe	AIR GAP μm	Type number
H5K	2000+40/-30%	≈5240	≈0	EFD10-H5K

Properties of core sets under power conditions

Grade	B (mT)at	Core loss (w) at			
	H=250 A/m F=25KHz T=100℃	F=100 KHz B̂=100mT T=100℃	f=100 KHz B̂=200mT T=100℃	F=400 KHz B̂=50mT T=100℃	F=500 KHz B̂=50mT T=100℃
P3	⩾ 320	⩽0.019	–	–	-
P4	⩾ 320	⩽0.015	⩽0.09	–	-
HQ2KA	⩾ 340	⩽0.01	⩽0.07	⩽0.03	⩽0.06
HQ2K	⩾ 315	⩽0.02	-	⩽0.035	-
P5	⩾ 300	-	-	⩽0.015	⩽0.03

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 B̂=100mT T=100℃	F=1.0 Mhz B̂=30mT T=100℃	F=1.0MHz B̂=50mT T=100℃	F=3.0MHz B̂=10mT T=100℃
P3	⩾ 320	-	–	–	–
P4	⩾ 320	-	–	–	–
HQ2KA	⩾ 320	-	–	–	–
HQ2K	⩾ 315	-	–	–	–
P5	⩾ 300	⩽0.2	–	–	–

Note:

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