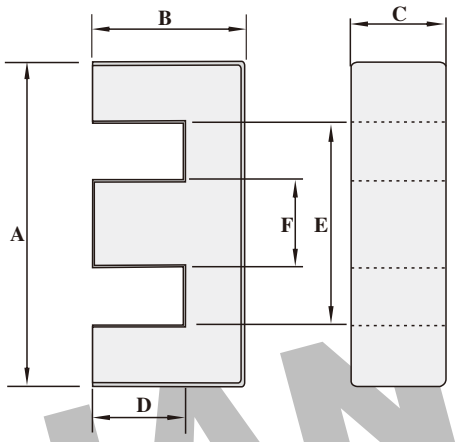
PAIRUI

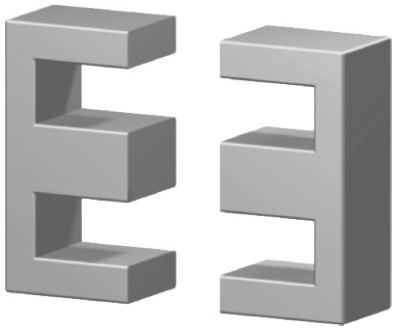
FUAN

SPECIFICATION EE30/15/7

Dimension: (UNIT:mm)

A	30.1 ± 0.7
B	15.0 ± 0.2
C	$7.3^{0}_{-0.5}$
D	9.95+0.25
E	19.5Min
F	$7.2^{0}_{-0.5}$
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)
1.12	60.0	67.0	4000	≈11

Core halves

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

Grade	AL (nH)	μe	AIR GAP μm	Type number
P3	100 ± 5%	≈89	≈1100	EE30/7-P3
	160 ± 5%	≈142	≈580	EE30/7-P3
	250 ± 5%	≈222	≈330	EE30/7-P3
	315 ± 5%	≈280	≈240	EE30/7-P3
	400 ± 8%	≈355	≈180	EE30/7-P3
	630 ± 15%	≈560	≈100	EE30/7-P3
	1900 ± 25%	≈1690	≈0	EE30/7-P3
P4	1900 ± 25%	≈1690	≈0	EE30/7-P4
	1600 ± 25%	≈1420	≈0	EE30/7-HQ2KA
HQ2K	100 ± 5%	≈89	≈1100	EE30/7-HQ2K
	160 ± 5%	≈142	≈580	EE30/7-HQ2K
	250 ± 5%	≈222	≈330	EE30/7-HQ2K
	315 ± 5%	≈280	≈240	EE30/7-HQ2K
	400 ± 8%	≈355	≈180	EE30/7-HQ2K
	630 ± 15%	≈560	≈100	EE30/7-HQ2K
	1600 ± 25%	≈1420	≈0	EE30/7-HQ2K
P5	1250 ± 25%	≈1110	≈0	EE30/7-P5

Core halves of high permeability grades.
Clamping force for Al measurements,20+/-10N

Grade	AL (nH)	μe	AIR GAP μm	Type number
H5K	3300 ± 25%	≈2930	≈0	EE30/7-H5K
H7K	4100 ± 25%	≈3640	≈0	EE30/7-H7K

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	≥330	≤0.45	≤0.48	–	-
P4	≥330	-	≤0.36	≤2.0	-
HQ2KA	≥340	-	≤0.27	≤1.6	-
HQ2K	≥320	-	≤0.47	-	≤0.80
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	≥330	-	-	–	–
P4	≥330	-	-	–	–
HQ2KA	≥340	≤1.5	-	–	–
HQ2K	≥320	-	-	–	–
P5	≥300	≤0.54	≤4.2	–	–

Note:

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