

Final Product Specification



Part No : 29-354-58

Issue No : 01

Description : P/CORE 9X5/F58 AL 40 Pair

Issue Date : 12.09.2013

UoM : PAIR

Electrical specification:

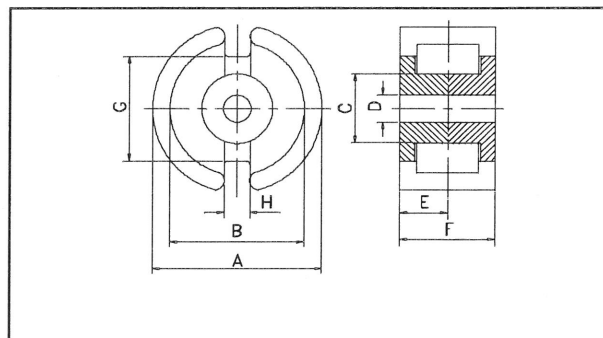
SNO	PARAMETERS	TEST CONDITION	SPECIFICATION
1	Inductance factor before gapping	10 KHz, 20 mV	360+/-30% *
2	Inductance factor after gapping	10 KHz, 20 mV	40+/-3%
3	Initial permeability	10KHz, B<0.1mT	750+/-20%
4	Loss factor	200 KHz, B<0.1mT	12x10 ⁻⁶
	Loss factor	1MHz, B<0.1mT	20x10 ⁻⁶
5	Saturation flux density	H=796A/m , 23+/-2°C	450 mT
6	Hysteresis factor	10 KHz, B=1.5-3.0mT	1.8x10 ⁻⁶
7	Temperature factor	10 KHz, 30 mV 25-55°C B<0.1 mT	0.5-2.3x10 ⁻⁶
8	Disaccomodation factor	10KHz, 30mV 50°C measured at 10 minutes and 100 minutes B<0.25 mT	12x10 ⁻⁶
9	Curie Temperature	10 KHz, B<0.1 mT	200°C min

Le= 12.20 mm, Ve= 120 mm³,

Ae= 9.80 mm², c1= 1.25 mm-1

Mechanical specification:

ID	PARAMETER	SPECIFICATION
A	Outer diameter	9.00-9.30 mm
B	Inner diameter	7.50-7.75 mm
C	Centre post	3.70-3.90 mm
D	Bore	2.00-2.10 mm
E	Depth (single)	1.80-1.95 mm
F	Height (pair)	5.20-5.40 mm
G	Core width	5.50-5.80 mm
H	Window	2.10-2.40 mm



Inductance to be measured for a pair gapped cores (AL+AL)

Prepared by

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