

# Final Product Specification



Part no : 32-140-48  
Issue no : 01

Description : EE 20X10X5 F48 Single  
Issue date : 4.10.04  
UoM : Single

## Electrical Specifications:

SNO	PARAMETERS	TEST CONDITION	SPECIFICATION
1	Inductance factor before gapping	10 KHz, 20 mV	1550+30%-20%*
2	Initial permeability	10 KHz, B<0.1mT	2300+/-20%
3	Total power loss density	100 KHz, 100mT, 100°C	70mW/Cc max
4	Total power loss density	100 KHz, 200mT, 100°C	380mW/Cc max
5	Curie Temperature	10 KHz, B<0.1mT	220°C
6	Saturation fluxdensity	H=796A/m, 23+/-2°C	480 mT
	Saturation fluxdensity	H=796A/m, 100°C	380 mT

Le = 43 mm , Ae = 31 mm<sup>2</sup>  
Ve = 1330 mm<sup>3</sup>, C1 = 1.37 mm<sup>-1</sup>

## Mechanical specification:

ID	PARAMETER	SPECIFICATION
A	Outer length	19.60-20.70 mm
B	Height (as a single)	9.80-10.20 mm
C	Thickness	4.90-5.30 mm
D	Depth (single)	6.30-6.70 mm
E	Inner length	12.80-13.40 mm
F	Center post	4.80-5.20 mm

## Packing Specification:

CARTON QUANTITY	2040
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