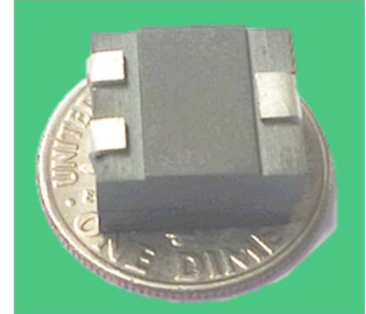


SLA473011 Series



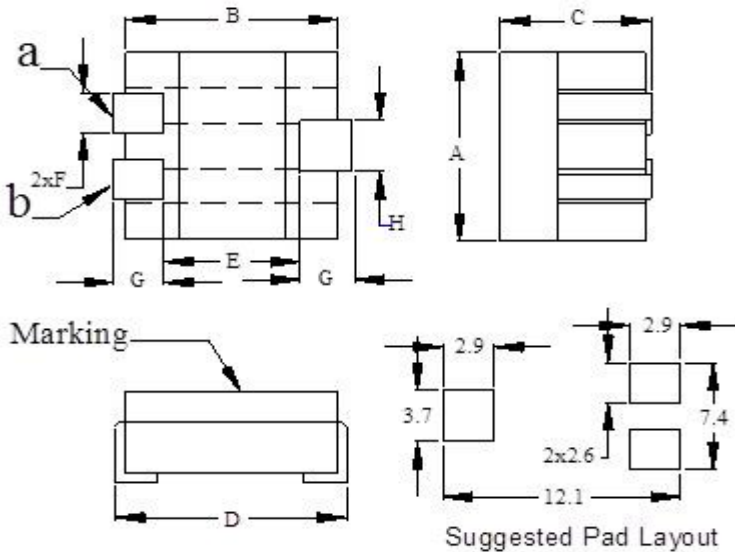
1. Features:

- Ferrite based SMD Inductor with lower core loss.
- Custom values are welcomed.
- High current output chokes, upto 47.0 Amp with approx. 20% roll off.
- Low Profile 7.5mm Max. height .
- Foot Print 12.1 x 11.4 mm Max.
- Ideal for Buck Converter, VRM & High Density Board Design.
- Operating frequency up to 1 MHz application.
- Operating Temperature Range -55°C to + 130°C , RoHs compliance ;



2. Mechanical Dimension(Unit:mm):

A	B	C	D	E	F	G	H
(Max.)	(Max.)	(Max.)	(Max.)	(Nom.)	(Nom.)	(Nom.)	(Nom.)
11.40	11.80	7.50	12.10	7.20	2.10	2.50	3.20



3. Electrical Characteristic of SLA473011 Series:

Part Number	Inductance (nH) ± 15%	DCR (mΩ) ± 7.0%	Isat ¹ (A) @25°C	Isat ² (A) @75°C	Isat ³ (A) @100°C	Irms (A) @25°C
SLA473011A-R33LHF	330.00	0.50	47.00	44.00	43.00	53.00

Note:

1>.Open Circuit Inductance (OCL) test condition:100KHz,0.1Vrms,0Adc ,at 25 °C.

2>.Full Load Inductance (FLL) Test condition:100KHz,0.1Vrms ,Isat ;(Ta=25 °C).

3>.Isat¹Isat² & Isat³ : DC current that will cause inductance to drops approximately by 20% ;

4>. Irms: DC current for an approximate temperature rise of 40°C without core loss,.Derating is necessary for AC currents. PCB pad layout,trace thickness and width,air-flow and proximity of other heat generating components will affect the temperature rise.

It is recommended the part temperature not exceed 130°C under worst case operating conditions verified in the end application.

5>.The nominal DCR is measured from point "a" to point"b",as shown above on the mechanical drawing.

4. Inductance Characteristics (Inductance vs. Current):



SLA473011 Series



Inductance vs. Current

