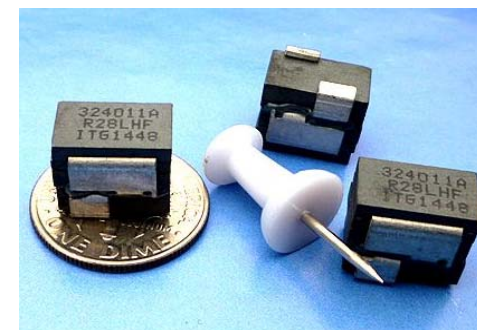


SLT324011 Series



1. Features:

- Ferrite based SMD Inductor with lower core loss.
- Custom values are welcomed.
- High current output chokes, upto 80.0 Amp with approx. 20% roll off.
- Low Profile 10.50 mm Max. height.
- 8.20 x 11.00 mm Foot Print.
- Ideal for Buck Converter, VRM & High Density Board Design.
- Operating frequency up to 1.0 MHz.
- Operating Temperature Range -55°C to + 130°C. RoHs & HF compliant.
- T & R Qtys: 350 pcs , 13" Reel.

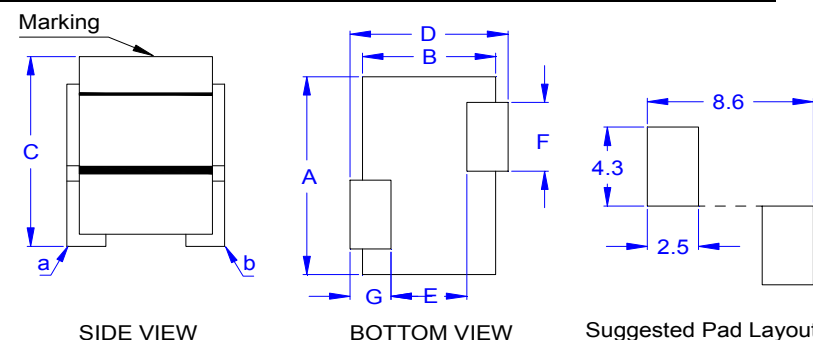


2. Electrical Characteristic of SLT324011 Series:

Part Number	OCL ¹ (nH) ± 15%	DCR ² (mΩ) ± 5.0%	L @ Isat1,3,5,7 ³ (nH) Min.	L @ Isat2,4,6,8 ³ (nH) Typ.	Isat1	Isat2	Isat3	Isat4	Isat5	Isat6	Isat7	Isat8	I _{rms} ⁴ (A) @25°C
					(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	
					@25°C	@75°C	@100°C	@125°C	@100°C	@125°C	@100°C	@125°C	
SLT324011A-R28LHF	280.00	0.31	118.00	180.00	80.00	40.00	70.00	30.00	64.00	28.00	58.00	26.00	35.00

3. Mechanical Dimension(Unit:mm):

A (Max.)	B (Max.)	C (Max.)	D (Max.)	E (Typ.)	F ± 0.20	G ± 0.35
11.00	6.80	10.50	8.20	4.20	3.80	2.00



Notes:

- 1> Open Circuit Inductance (OCL) test condition:100KHz,0.1Vrms,0Adc at 25°C.
- 2> The nominal DCR is measured from point "a" to point"b",as shown above on the mechanical drawing (Ta=25°C).
- 3> L @ Isat and L @ I_{rms} Test condition: 100KHz,0.1Vrms (Ta=25°C).
- 4> I_{rms}: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 as verified in the end application.

4. Inductance Characteristics (Inductance vs. Current):

