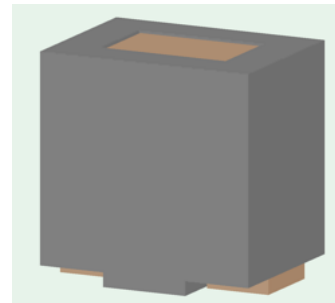


1. Features:

- Ferrite based SMD Inductor with lower core loss.
- Custom values are welcomed.
- High current output chokes, upto 73.00 Amp with approx. 50% roll off.
- Low Profile 12.00 mm Max.height.
- 10.80 x 8.20 mm Foot Print.
- 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 & HF compliant .
- T & R Qty: 350 pcs , 13" Reel.

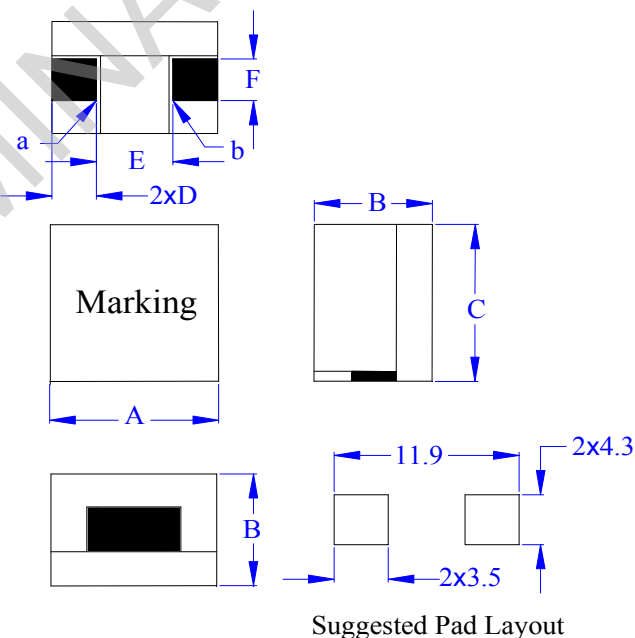


2. Electrical Characteristic of SLA41478 Series:

Part Number	OCL ¹ (nH) ± 10%	L @ Isat1 ² (nH) Min.@25°C	DCR ³ (mΩ) ± 5.0%	Isat1 ⁴ (A) @25°C	Isat2 ⁴ (A) @75°C	Isat3 ⁴ (A) @100°C	Isat4 ⁴ (A) @125°C	Irms ⁵ (A) @25°C
SLA41478A-R25KHF	250.0	125.00	0.15	73.00	66.00	62.00	60.00	75.00
SLA41478A-R27KHF	270.0	135.00	0.15	68.00	62.00	58.00	56.00	75.00

3. Mechanical Dimension (Unit:mm):

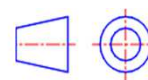
A (Max.)	B (Max.)	C (Max.)	D (Nom.)	E (Nom.)	F ± 0.20
10.80	8.20	12.00	3.00	4.50	3.80



Note:

- 1> Open Circuit Inductance (OCL) test condition: 100KHz, 1.0Vrms, 0Adc at 25°C.
- 2> L @ Isat and L @ Irms Test condition: 100KHz, 1.0Vrms, (Ta=25°C).
- 3> The nominal DCR is measured from point "a" to point "b", as shown above on the mechanical drawing (Ta=25°C).
- 4> Isat1, Isat2, Isat3 & Isat4 : DC current that will cause inductance to drop approximately by 50%.
- 5> 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 as verified in the end application.

First Angle Projection:



● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275

● Tokyo 81 3 5829 8676 ● Shenzhen 86 755 8418 6263 ● Shanghai 86 21 5424 5141 ● Hong Kong 852 9688 9767

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