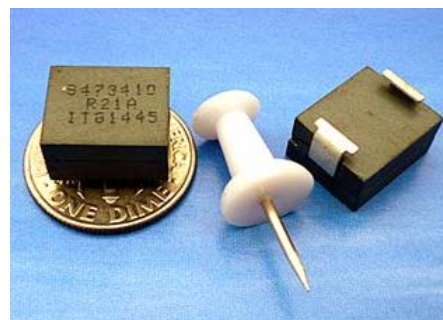


1. Features of SLD473410 Series:

- Ferrite based SMD Inductor with lower core loss.
- Inductance: 210.0nH, Custom values are welcomed.
- High current output chokes, upto 64.0 Amp with approx. 20% roll off.
- Low Profile 8.8mm Max. height .
- Foot Print 12.0 x 10.0 mm Max.
- Ideal for Buck Converter, VRM & High Density Board Design.
- Operating frequency up to 1 MHz application.
- Operating Temperature Range -55°C to + 150°C. RoHs & HF compliant .
- T & R Qty: 450 pcs , 13" Reel.

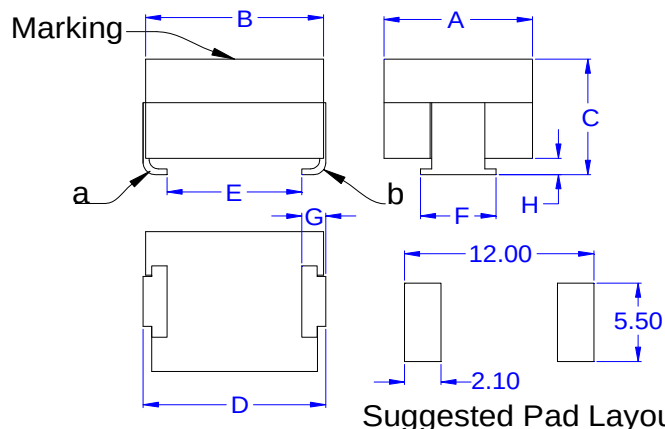


2. Electrical Characteristic of SLD473410 Series:

Part Number	OCL ¹ (nH) ± 10%	L@Isat1 ² (nH) Min.	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	Isat5 ⁴ (A) @150°C	Irms ⁵ (A) @25°C
SLD473410A-R21KHF	210.0	151.20	0.25	64.00	62.00	58.00	56.00	48.00	50.00

3. Mechanical Dimension(Unit:mm):

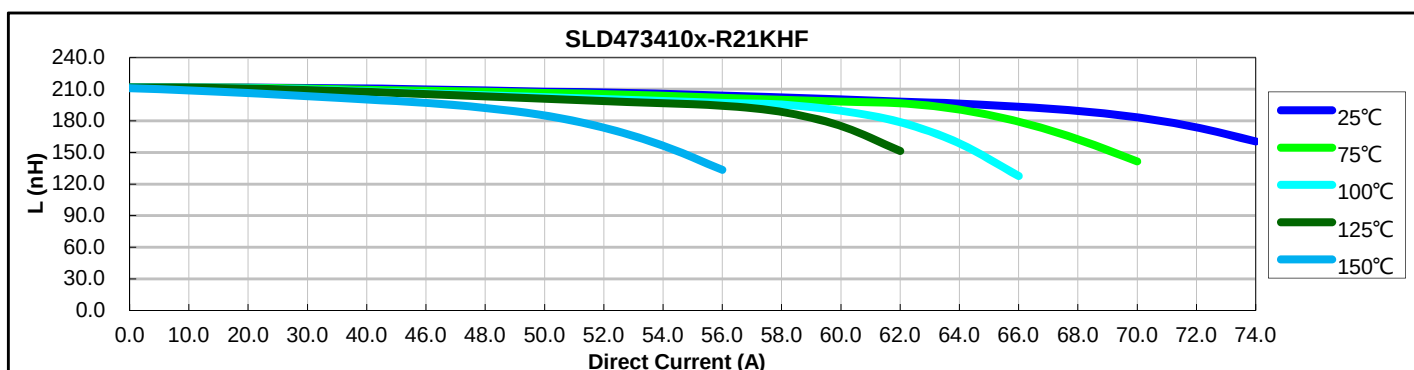
A (Max.)	B (Max.)	C (Max.)	D (Max.)	E (Nom.)	F ± 0.20	G (Nom.)	H (Min.)
10.00	11.90	8.80	12.00	8.70	5.00	1.57	1.55



Note:

- 1> Open Circuit Inductance (OCL) test condition: 100KHz, 0.1Vrms, 0Adc at 25°C.
- 2> L @ Isat and L @ Irms Test condition: 100KHz, 0.1Vrms, (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 & Isat5 : DC current that will cause inductance to drop approximately by 20%.
- 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.

4. Inductance Characteristics (Inductance vs. Current):



Third Angle Projection:

