

1. Features of SLA26475A Series :

- Ferrite based SMD inductor with lower core loss.
- Inductance Range: 100.0nH to 120.0nH, Custom values are welcomed.
- High current output chokes, up to 96.0 Amp with approx. 20% roll off.
- Low Profile 12.00 mm Max. height .
- Foot Print 6.50 x 5.00 mm Max .
- Perfect for high density designs with limited board space.
- Operating frequency up to 5.0 MHz application.
- Operating Temperature Range -55 °C to + 130 °C, RoHs & HF compliance .
- T & R Qtys: 350 pcs , 13" Reel ;

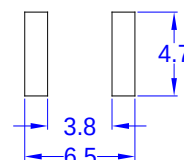
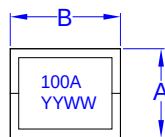


2. Electrical Characteristic of SLA26475A Series:

ITG Part Number	OCL ¹ (nH) ± 10%	L @ Isat1 ² (nH) Min.	DCR ³ (mΩ) ± 10%	Isat1 ⁴ (A) @25°C	Isat2 ⁴ (A) @100°C	Isat3 ⁴ (A) @125°C	Irms ⁵ (A) @25°C
SLA26475A-100K	100.00	80.00	0.23	96.00	82.00	77.00	60.00
SLA26475A-120K	120.00	96.00	0.23	78.00	66.00	62.00	60.00

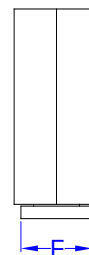
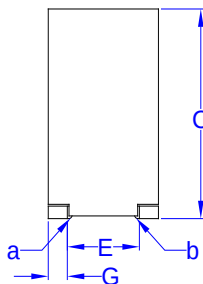
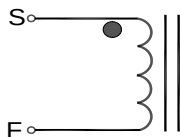
3. Mechanical Dimension(Unit : mm):

A	B	C	E	F	G
Max.	Max.	Max.	± 0.20	± 0.20	± 0.20
5.00	6.50	12.00	4.25	4.20	0.90



Suggested Pad Layout

Schematic:



Third Angle Projection:



Notes:

1. Open Circuit Inductance (OCL) test condition:500KHz,0.25Vrms,0Adc ,at 25 °C.
2. L @ Isat and L @ Irms Test condition:500KHz,0.25Vrms (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 : 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 verified in the end application.

4. Inductance Characteristics (Inductance vs. Current):

