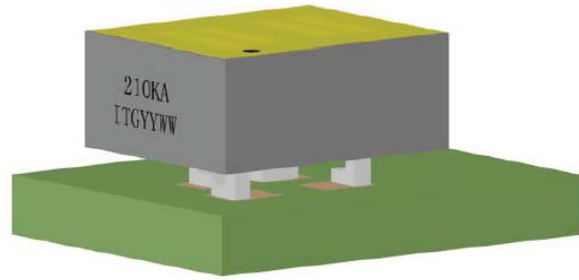


1. Features of SLAE4732 Series:

- Ferrite based SMD Inductor with lower core loss.
- Inductance Range: 210.0 nH , custom values are welcomed.
- High current output chokes, up to 53.0 Amp with approx. 30% roll off.
- Low Profile 8.13 mm Max. height.
- 13.40 x 10.84 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: 450 pcs , 13" Reel.



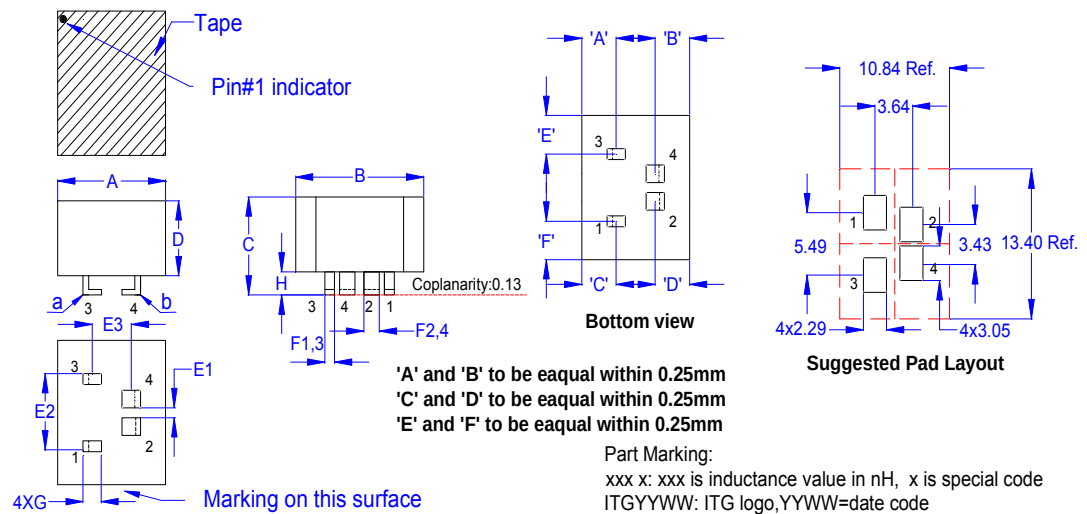
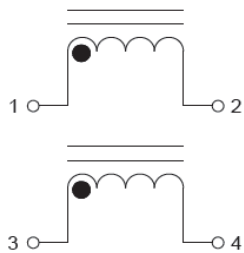
2. Electrical Characteristic of SLAE4732 Series:

ITG Part Number	OCL ¹ (nH) ± 10%	L @ Isat1 ² (nH) Typ.	DCR ³ (mΩ) ± 7%	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
SLAE4732A-R21KHF	210.00	147.00	0.63	53.00	47.00	44.00	40.00	31.00

3. Mechanical Dimension(Unit:mm):

A	B	C	D	E1	E2	E3	F1,3	F2,4	G	H
(Max.)	(Max.)	(Max.)	(Max.)	(Nom.)	(Nom.)	(Nom.)	± 0.15	± 0.15	± 0.15	(Min.)
10.84	13.40	8.13	6.09	0.88	8.03	3.64	0.97	2.10	1.78	1.95

4. Schematic Diagram:



Notes:

- 1> Open Circuit Inductance (OCL) test condition: 100KHz, 0.1Vrms, 0A_{dc} 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" or 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 30%.
- 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.

Third Angle Projection:

4. Inductance Characteristics (Inductance vs. Current):

