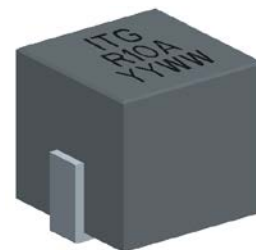


1. Features of SL3028 Series :

- Ferrite based SMD inductor with lower core loss.
- Inductance Range: 50.0 nH to 220.0 nH , custom values are welcomed.
- High current output chokes, up to 150.0 Amp with approx. 20% roll off.
- Low Profile 7.00 mm / 7.20 mm Max. height .
- Foot Print 7.60 x 7.40 mm .
- Ideal for Buck Converter, VRM & High Density Board Design.
- Operating frequency up to 5.0 MHz application.
- Operating Temperature Range -55° C to + 130° C , RoHs & HF compliance .
- T & R Qtys: 750 pcs , 13" Reel ;

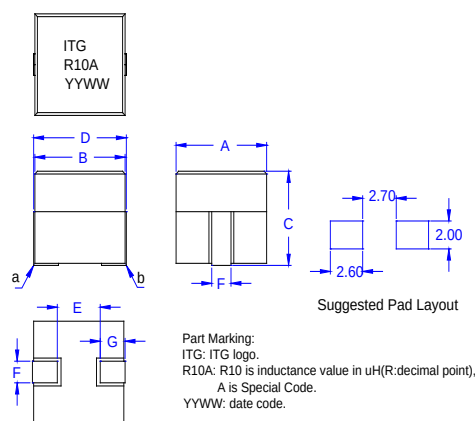


2. Electrical Characteristic of SL3028 Series:

Part Number	Inductance (nH) ±10%	DCR (mΩ) ± 6.0%	L@Isat ¹ (nH) MIN.	Isat ¹ (A) @25°C	Isat ² (A) @75°C	Isat ³ (A) @100°C	Isat ⁴ (A) @125°C	Irms (A) @25°C	Dim C mm Max.
SL3028A-R05KHF	50.00	0.50	36.00	150.00	130.00	115.00	100.00	49.00	7.20
SL3028A-R07KHF	70.00	0.50	50.40	105.00	95.00	88.00	82.00	49.00	7.00
SL3028A-R10KHF	100.00	0.50	72.00	91.00	85.00	77.00	72.00	49.00	7.00
SL3028A-R12KHF	120.00	0.50	86.40	65.00	62.00	58.00	52.00	49.00	7.00
SL3028A-R15KHF	150.00	0.50	108.00	52.00	49.00	46.00	41.00	49.00	7.00
SL3028A-R16KHF	160.00	0.50	115.20	50.00	48.00	42.00	38.00	49.00	7.00
SL3028A-R18KHF	180.00	0.50	129.60	43.00	41.00	38.00	33.00	49.00	7.00
SL3028A-R20KHF	200.00	0.50	144.00	39.00	37.00	34.00	29.00	49.00	7.00
SL3028A-R22KHF	220.00	0.50	158.40	35.00	32.00	28.00	25.00	49.00	7.00

3. Mechanical Dimension(Unit : mm):

A	B	C	D	E	F	G
Max.	Max.	Max.	Max.	Nom.	±0.20	±0.20
7.40	7.50	see above table	7.60	3.30	1.55	2.00



Third Angle Projection:

Notes:

1. Open Circuit Inductance (OCL) test condition:100KHz,0.1Vrms,0Adc , at 25 °C.
2. Full Load Inductance (FLL) Test condition:100KHz,0.1Vrms , Isat ;(Ta=25 °C).
3. Isat1,Isat2,Isat3 & Isat4 : DC current that will cause inductance to drops approximately by 20% ;
4. 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.
5. The nominal DCR is measured from point "a" to point "b" , as shown above on the mechanical drawing.

4. Inductance Characteristics of SL3028 Series (Inductance vs Current):

