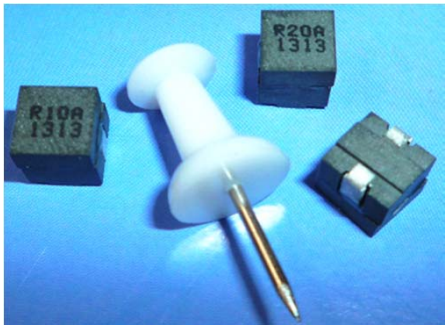
SL25266 Series

1. Features:



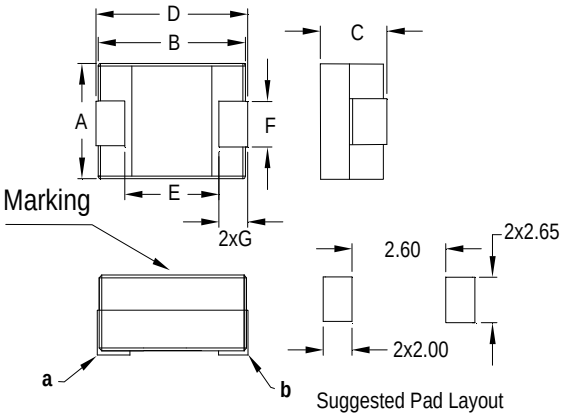
- Ferrite based SMD Inductor with lower core loss.
- Inductance Range:100nH to 200nH , Custom values are welcomed.
- High current output chokes, upto 53.0 Amp with approx. 20% roll off.
- Low Profile 6.50mm Max. height .
- Foot Print 6.20 x 6.20 mm Max.
- Ideal for Buck Converter, VRM & High Density Board Design.
- Operating frequency up to 1 MHz application.
- Operating Temperature Range -55°C to + 130°C , RoHs & HF compliance .
- T & R Qtys: 800 pcs , 13" Reel ;

2. Electrical Characteristic of SL25266 Series:

Part Number	Inductance (nH) ±15% or 20%	DCR (mΩ) ± 7.0%	Isat[1] (A) @25℃	L@Isat[1] (nH) Min.	Isat[2] (A) @75℃	Isat[3] (A) @100℃	Isat[4] (A) @125℃	Irms (A) @25℃
SL25266A-R10LHF	100.0 , 15%	0.230	53.00	72.00	50.00	48.00	45.00	35.00
SL25266A-R20MHF	200.0 , 20%	0.230	25.00	144.00	24.00	22.50	20.00	35.00

3. Mechanical Dimension(Unit:mm):

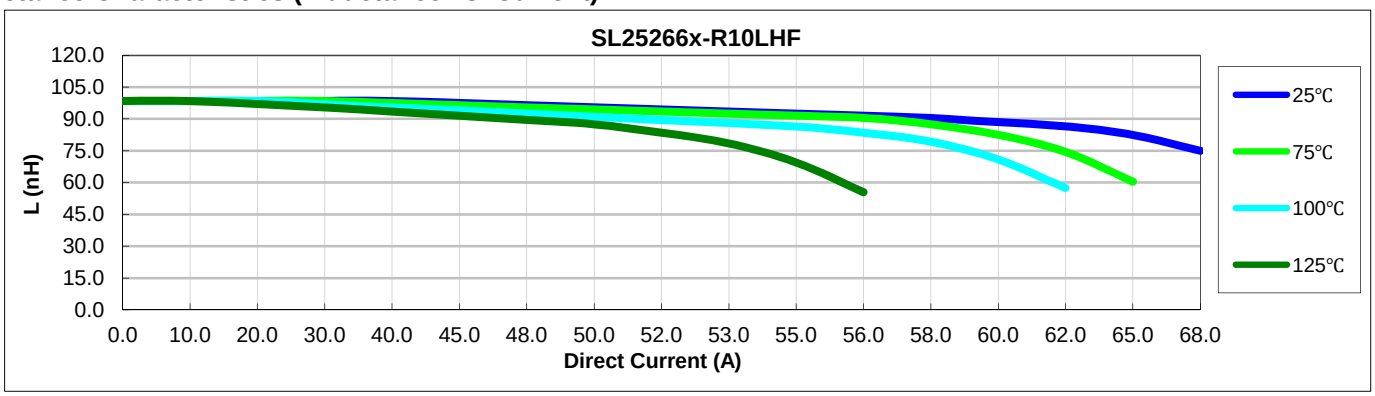
A Max.	B Max.	C Max.	D Max.	E Nom.	F Nom.	G Nom.
6.20	6.00	6.50	6.20	3.00	2.10	1.50



Note:

1>.Open Circuit Inductance (OCL) test condition:100KHz,0.1Vrms,0Adc ,at 25 ℃.
2>.Full Load Inductance (FLL) Test condition:100KHz,0.1Vrms ,Isat ;(Ta=25 ℃).
3>.Isat[1],Isat[2],Isat[3]&Isat[4]: DC current that will cause inductance to drops approximately by 20% ;
4>. Irms: DC current for an approximate temperature rise of 40℃ 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 (Inductance vs. Current):



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Inductance vs. Current