SL28328 Series

1. Features:

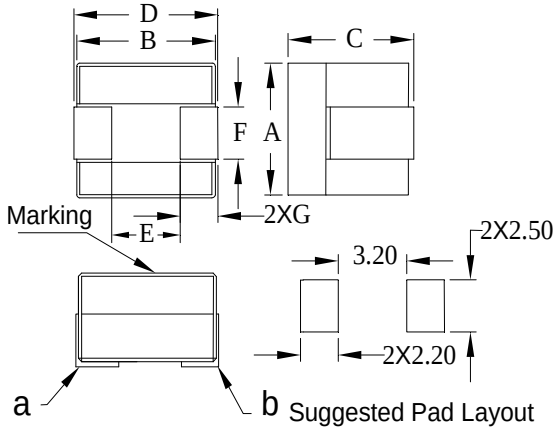
· Ferrite based SMD Inductor with lower core loss.
· Inductance Range:72nH to 250nH. Custom values are welcomed.
· High current output chokes, up to 108 Amp with approx. 20% roll off.
· Low Profile 8.0mm Max. height .
· Foot Print 7.0 x 8.5 mm Max.
· Ideal for Buck Converter, VRM & High Density Board Design.
· Operating frequency up to 1 MHz application.
· Operating Temperature Range -55°C to + 130°C , RoHs & HF compliance .
· T & R Qtys: 650 pcs , 13" Reel ;

2. Electrical Characteristic of SL28328 Series:

Part Number	Inductance (nH) ± 10% or 15%	DCR (mΩ) ± 7.0%	Isat[1] (A) @25℃	Isat[2] (A) @45℃	Isat[3] (A) @100℃	Irms (A) @25℃
SL28328A-R07KHF	72.0 , 10%	0.350	108.00	100.00	90.00	45.00
SL28328A-R09KHF	90.0 , 10%	0.350	85.00	83.00	76.00	45.00
SL28328A-R11KHF	115.0 , 10%	0.350	83.00	81.00	71.00	45.00
SL28328A-R13KHF	130.0 , 10%	0.350	74.00	73.00	62.00	45.00
SL28328A-R15KHF	150.0 , 10%	0.350	65.00	63.00	55.00	45.00
SL28328A-R20KHF	200.0 , 10%	0.350	42.00	40.00	37.00	45.00
SL28328A-R21KHF	210.0 , 10%	0.350	40.00	39.00	36.00	45.00
SL28328A-R25LHF	250.0 , 15%	0.350	36.00	34.00	29.00	45.00

3. Mechanical Dimension(Unit:mm):

A Max.	B Max.	C Max.	D Max.	E Nom.	F Nom.	G Nom.
8.50	6.80	8.00	7.00	3.95	2.13	1.52



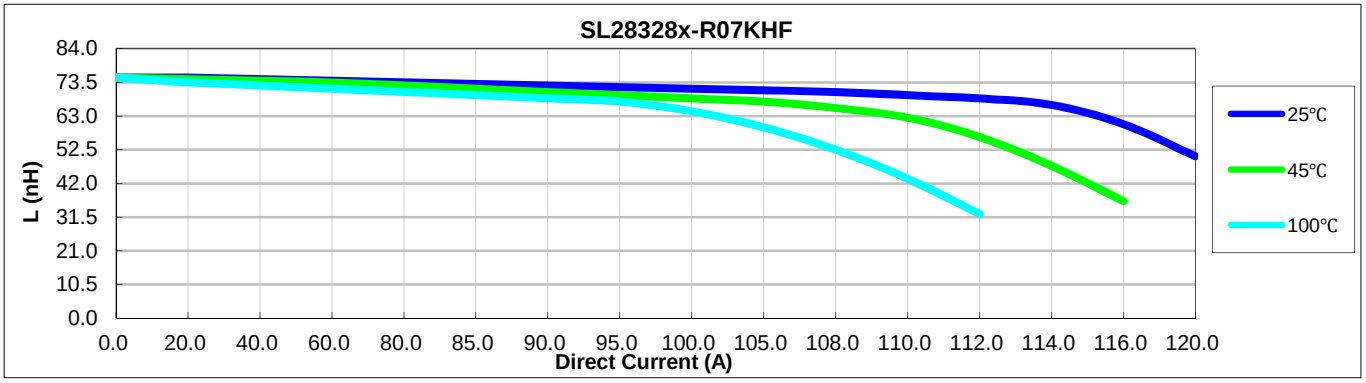
Note:

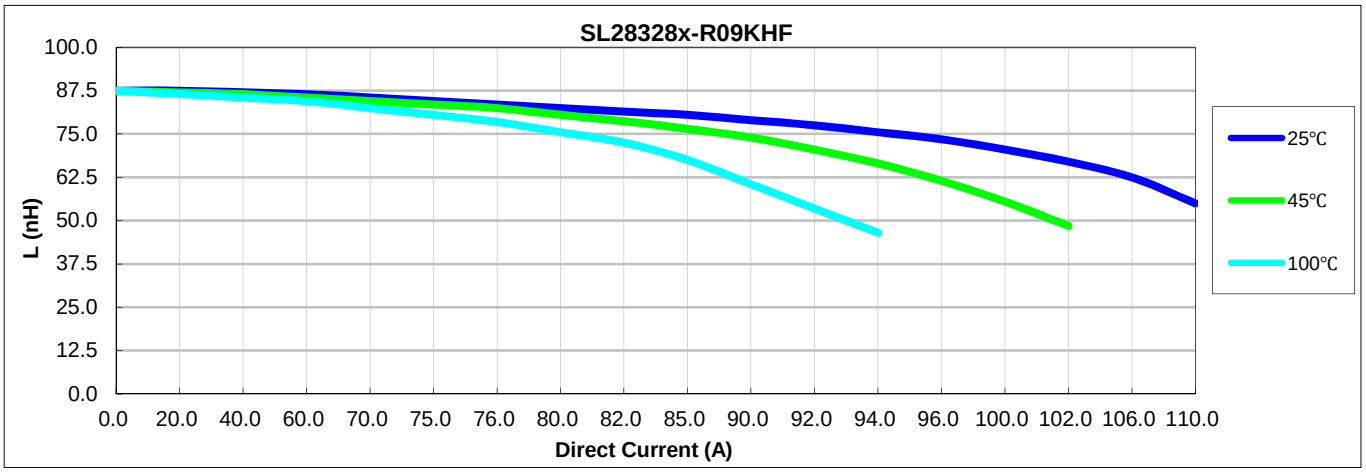
1>.Open Circuit Inductance (OCL) test condition:100KHz,0.1Vrms,0Adc ,at 25 ℃.
2>.Full Load Inductance (FLL) Test condition:100KHz,0.1Vrms ,Isat ;(Ta=25 ℃).
3>.Isat[1],Isat[2] & Isat[3] : DC current that will cause inductance to drops approximately by 20% ;
4>. Irms: DC current for an approximate temperature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

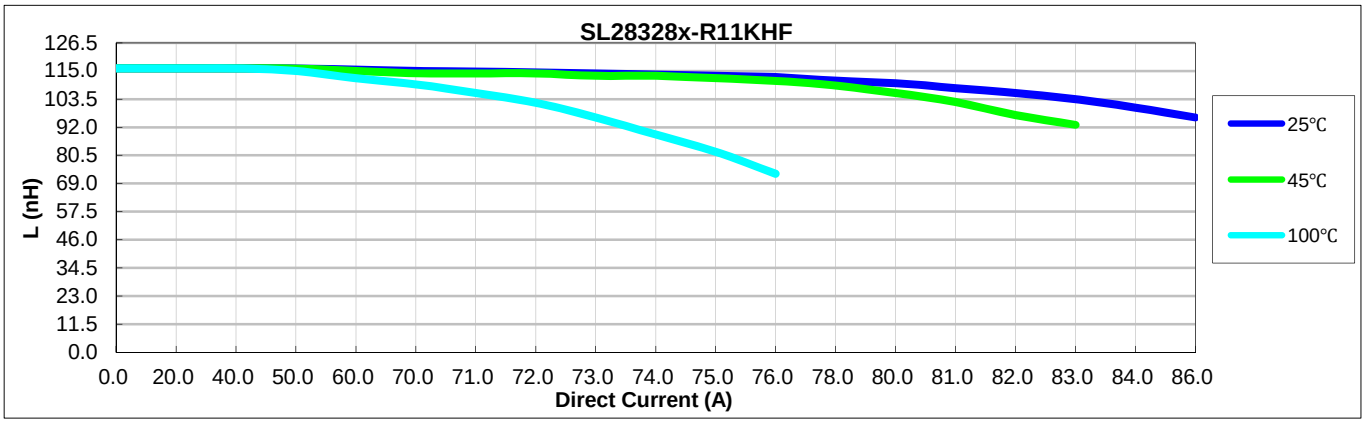
4. Inductance Characteristics (Inductance vs. Current):

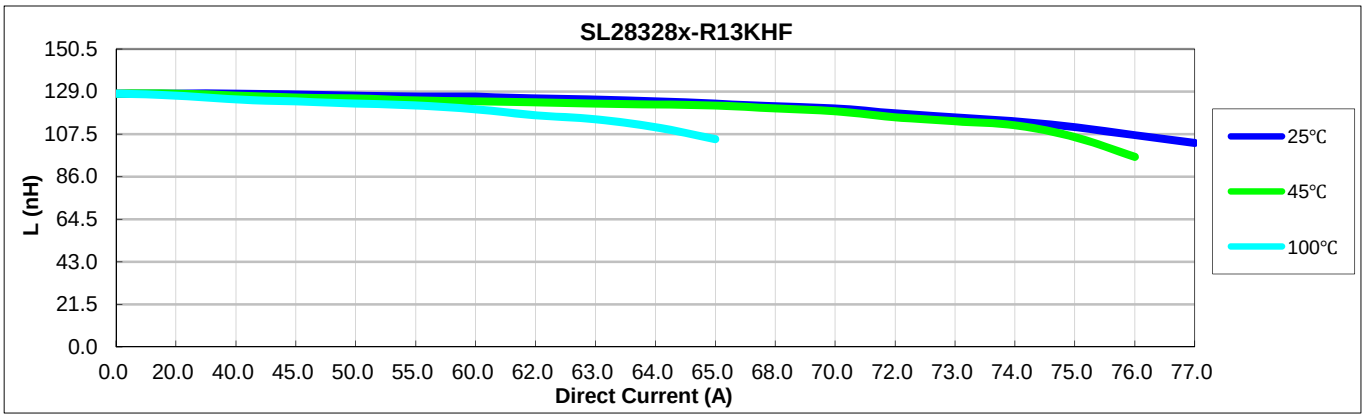
SL28328 Series

Inductance vs. Current



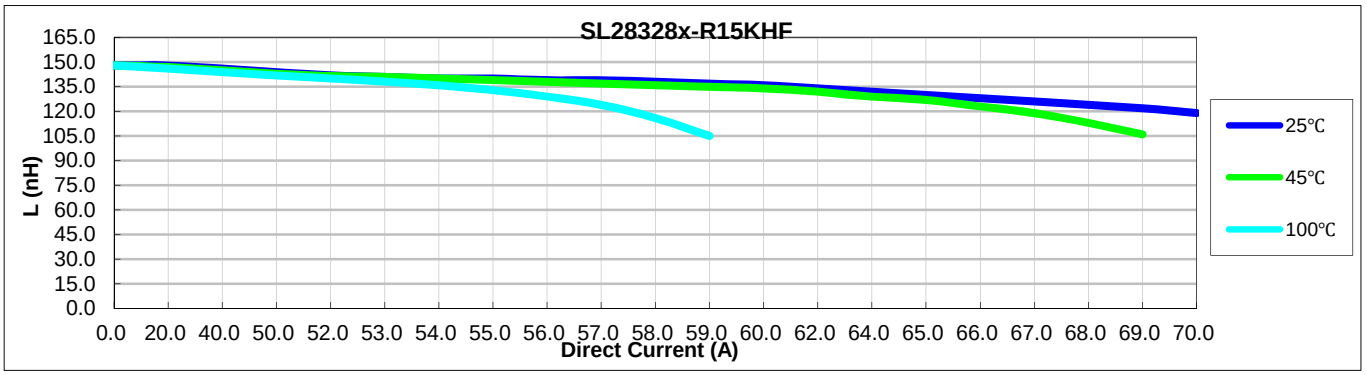


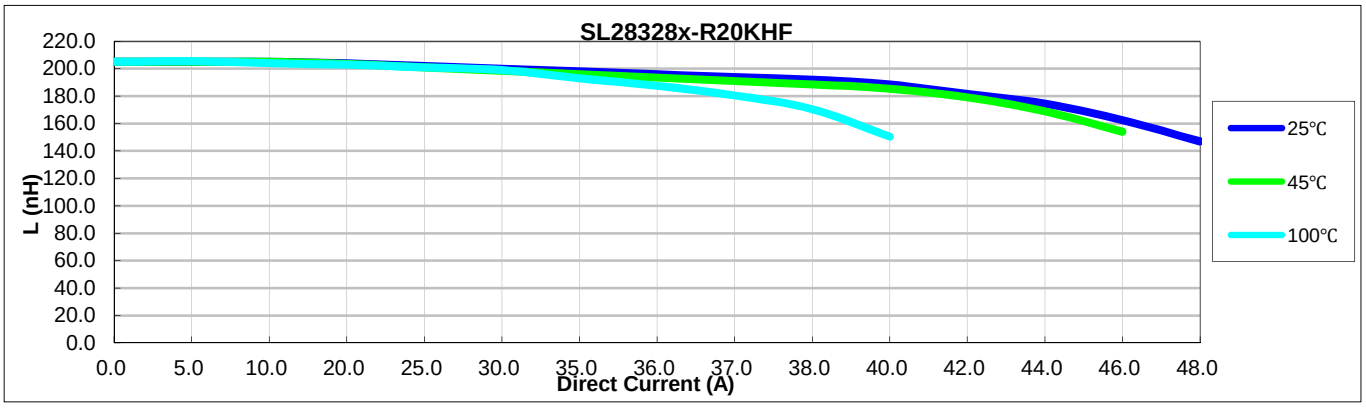


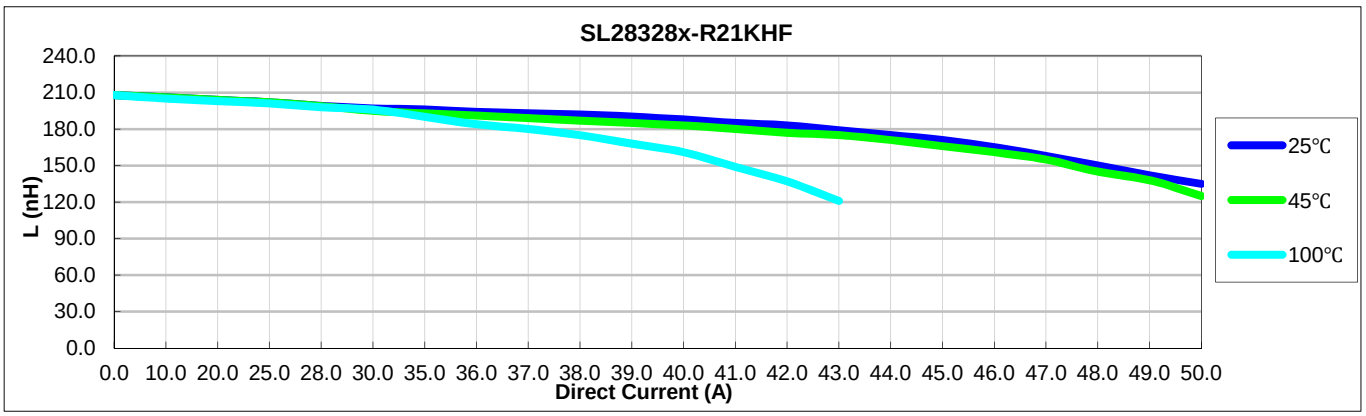


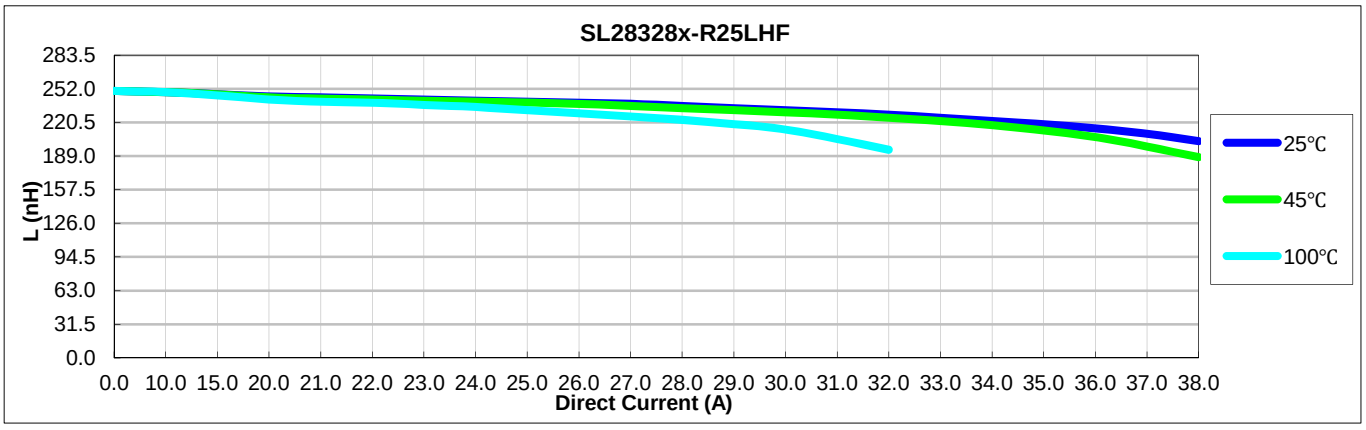
SL28328 Series

Inductance vs. Current









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