

1. Features of SLM40328 Series :

- Ferrite based SMD inductor with lower core loss.
- Inductance Range: 330.0nH to 710.0nH, Custom values are welcomed.
- High current output chokes, up to 47.0 Amp with approx. 20% roll off.
- Low Profile 8.0 mm Max. height .
- Foot Print 10.00 x 8.00 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: 450 pcs , 13" Reel ;

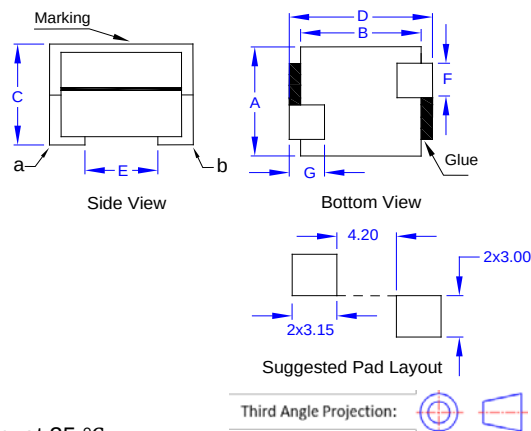


2. Electrical Characteristic of SLM40328 Series:

Part Number	OCL ¹ (nH) ± 20%	L @ Isat1 ² (nH) Min.@25°C	DCR ³ (mΩ) ± 8.0%	Isat1 ⁴ (A) @25°C	Isat2 ⁴ (A) @75°C	Isat3 ⁴ (A) @100°C	Irms ⁵ (A) @25°C
SLM40328A-R33MHF	330.00	237.60	0.85	47.00	43.00	40.00	30.00
SLM40328A-R39MHF	400.00	288.00	0.85	40.00	37.00	34.00	30.00
SLM40328A-R47MHF	470.00	338.40	0.85	34.00	31.50	29.50	30.00
SLM40328A-R56MHF	550.00	396.00	0.85	27.00	26.00	24.50	30.00
SLM40328A-R72MHF	710.000	511.20	0.85	22.00	21.00	19.50	30.00

3. Mechanical Dimension(Unit : mm):

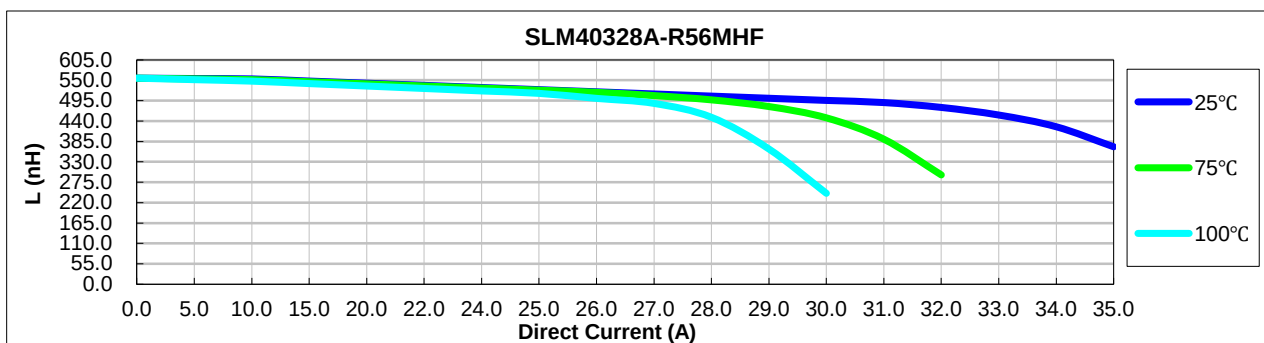
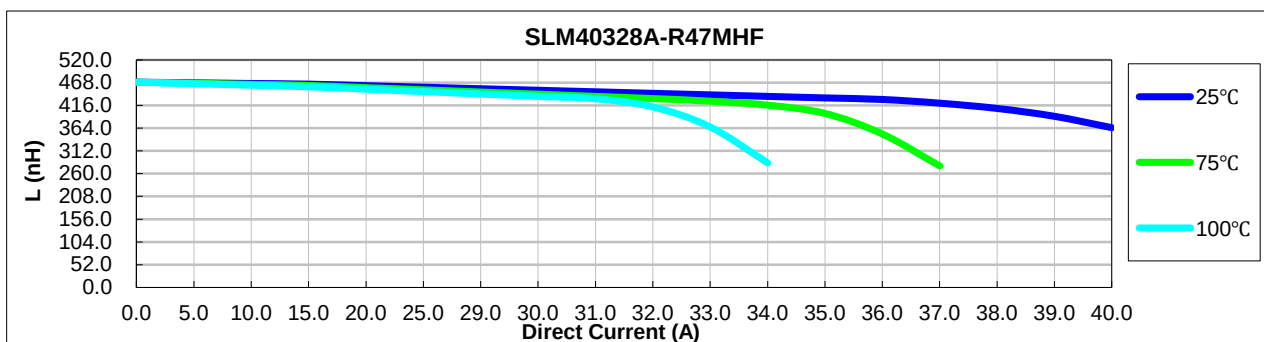
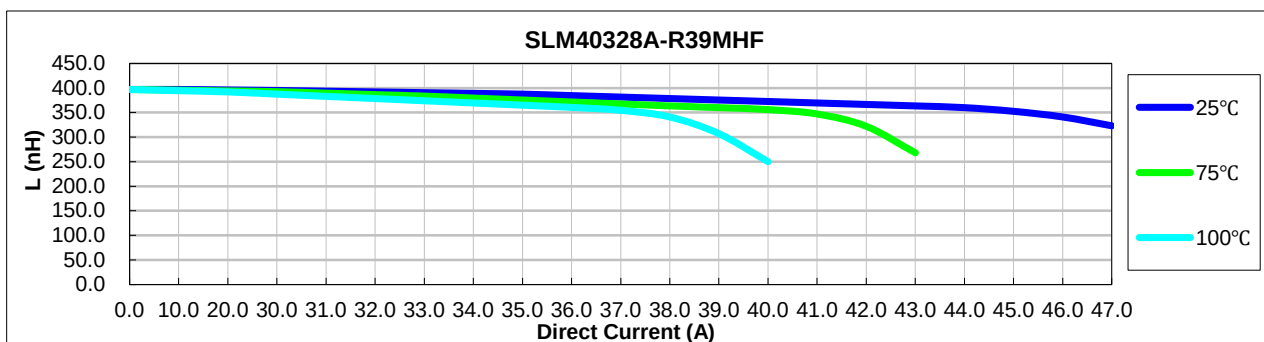
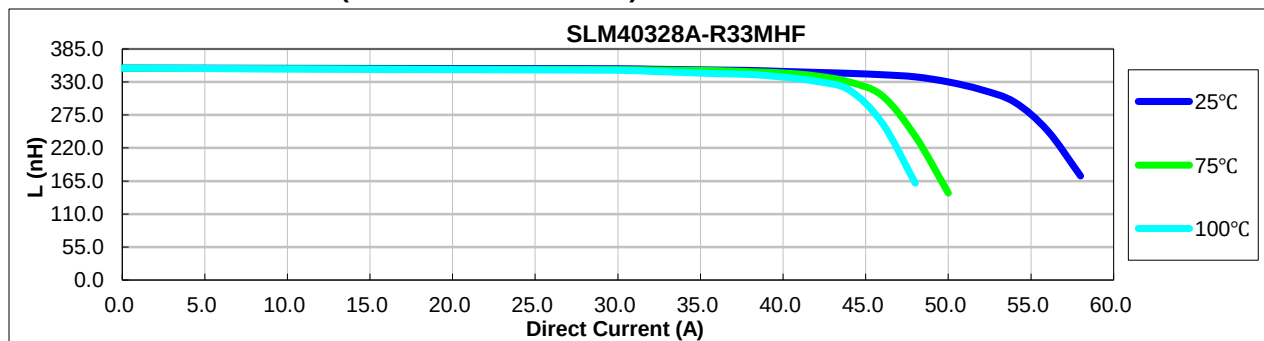
A	B	C	D	E	F	G
Max.	Max.	Max.	Max.	Nom.	± 0.20	± 0.30
8.00	8.70	8.00	10.00	4.75	2.50	2.50



Notes:

1. Open Circuit Inductance (OCL) test condition:100KHz,0.1Vrms,0Adc , 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", 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):



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