

1. Features of SL2026C Series :

- Ferrite based SMD inductor with lower core loss.
- Inductance Range: 22.0nH to 150.0nH, Custom values are welcomed.
- High current output chokes, up to 110.0 Amp with approx. 20% roll off.
- Low Profile 7.00 mm Max. height .
- Foot Print 5.20 x 5.00 mm .
- Perfect for high density designs with limited board space.
- 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 .

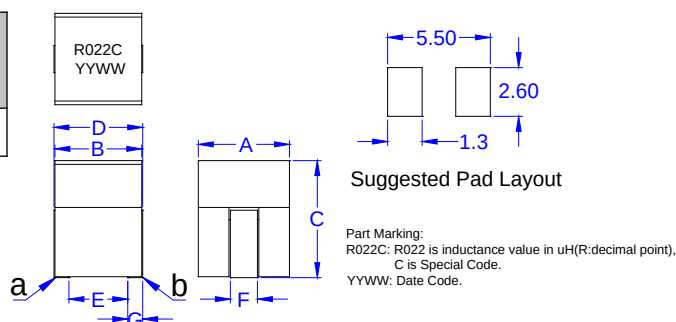


2. Electrical Characteristic of SL2026C Series:

ITG Part Number	OCL ¹ (nH) ± 20%	L @ Isat1 ² (nH) Min.	DCR ³ (mΩ) ± 5%	Isat ¹ (A) @25°C	Isat2 ⁴ (A) @45°C	Isat3 ⁴ (A) @100°C	Irms ⁵ (A) @25°C
SL2026C-R022MHF	22.00	15.40	0.185	110.00	105.00	100.00	37.00
SL2026C-R055MHF	55.00	38.50	0.185	76.00	74.00	62.00	37.00
SL2026C-R085MHF	85.00	59.50	0.185	46.00	44.00	35.00	37.00
SL2026C-R10MHF	100.00	70.00	0.185	38.00	36.00	30.00	37.00
SL2026C-R12MHF	120.00	84.00	0.185	28.00	25.00	22.00	37.00
SL2026C-R15MHF	150.00	105.00	0.185	22.00	20.00	18.00	37.00

3. Mechanical Dimension(Unit : mm):

A	B	C	D	E	F	G
Max.	Max.	Max.	Max.	Nom.	Nom.	Nom.
5.00	5.00	7.00	5.20	3.20	2.00	0.80



Notes:

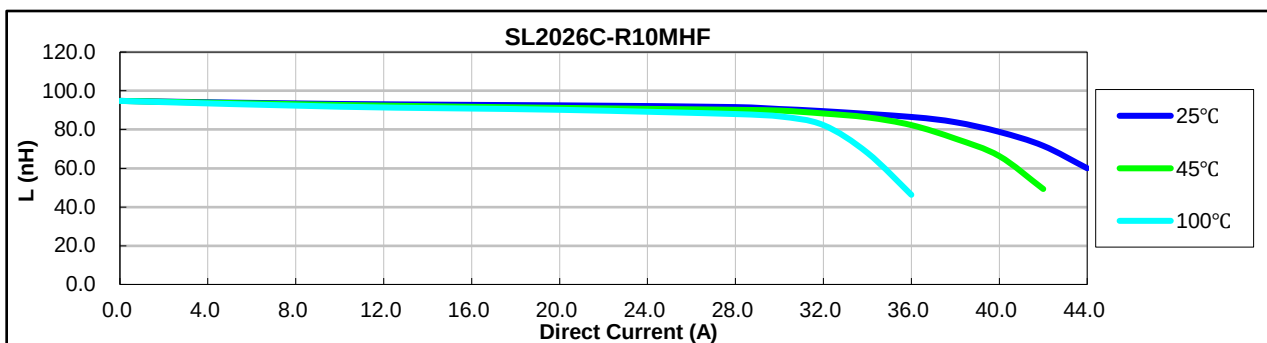
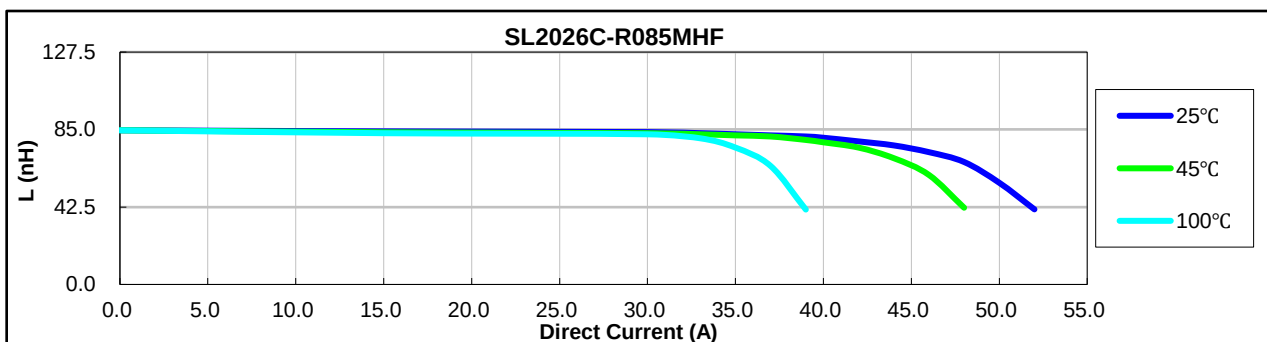
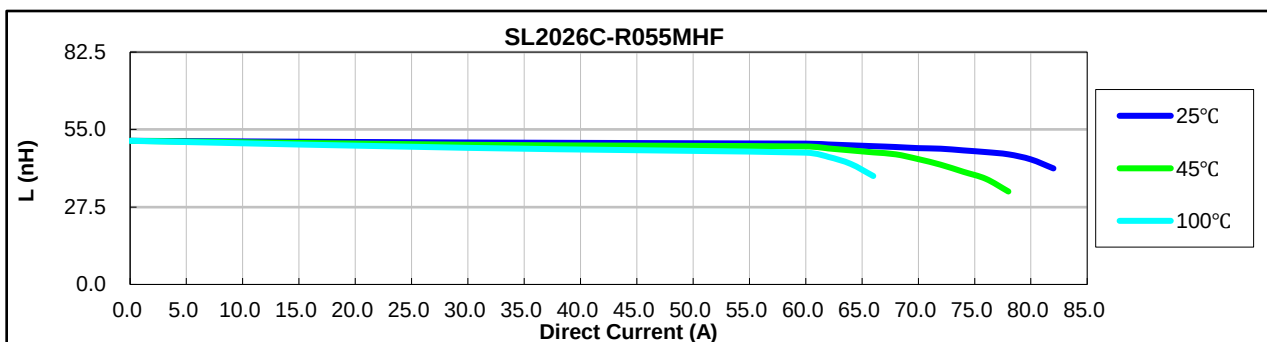
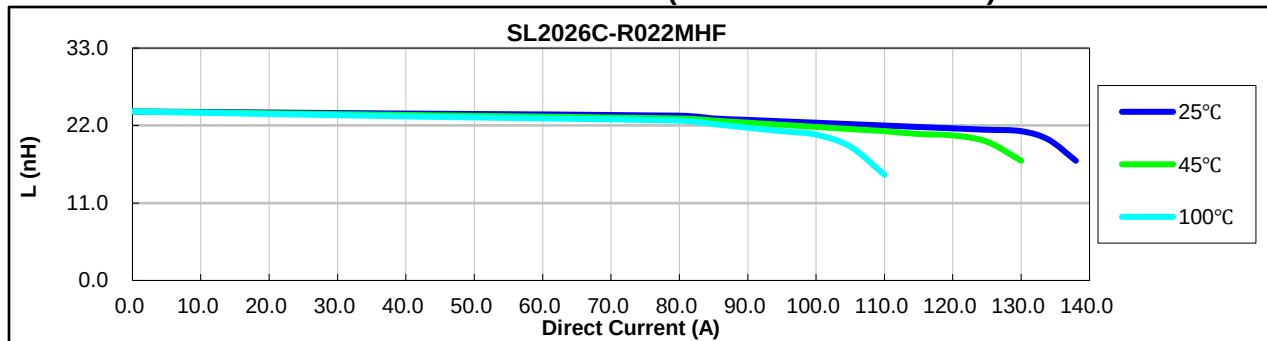
1. Open Circuit Inductance (OCL) test condition:100KHz,0.1Vrms,0Adc ,at 25 °C.
2. L @ Isat and L @ Irms Test condition:100KHz,0.1Vrms (Ta=25 °C).
3. The nominal DCR is measured from point "a" to point "b", as shown above on the mechanical drawing (Ta=25°C).
4. Isat1,Isat2 & Isat3: DC current that will 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.

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4. Inductance Characteristics of SL2026C Series (Inductance vs Current):



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