

1. Features of SLA406111A Series :

- Ferrite based SMD inductor with lower core loss.
- Inductance Range: 70.0nH to 600.0nH, Custom values are welcomed.
- High current output chokes, up to 248.0 Amp with approx. 20% roll off.
- Low Profile 15.50 mm Max. height .
- Foot Print 10.00 x 11.00 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: 150 pcs , 13" Reel ;

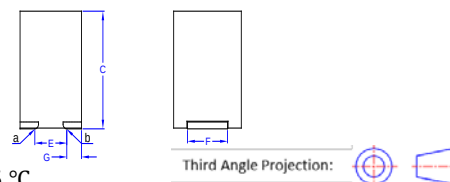


2. Electrical Characteristic of SLA406111A Series:

ITG Part Number	OCL ¹ (nH) ± 15%	L @ Isat1 ² (nH) Min.	DCR ³ (mΩ) ± 5%	Isat1 ⁴ (A) @25°C	Isat2 ⁴ (A) @75°C	Isat3 ⁴ (A) @100°C	Irms ⁵ (A) @25°C
SLA406111A-70L	70.00	50.00	0.075	248.00	235.00	220.00	88.00
SLA406111A-100L	100.00	72.00	0.075	185.00	165.00	150.00	88.00
SLA406111A-130L	130.00	93.00	0.075	145.00	132.00	125.00	88.00
SLA406111A-150L	150.00	108.00	0.075	123.00	111.00	100.00	88.00
SLA406111A-170L	170.00	122.00	0.075	103.00	93.00	83.00	88.00
SLA406111A-220L	220.00	158.00	0.075	84.00	76.00	68.00	88.00
SLA406111A-300L	300.00	216.00	0.075	61.00	55.00	50.00	88.00
SLA406111A-330L	330.00	237.00	0.075	55.00	50.00	45.00	88.00
SLA406111A-470L	470.00	338.00	0.075	38.00	35.00	31.00	88.00
SLA406111A-600L	600.00	432.00	0.075	29.00	28.00	26.00	88.00

3. Mechanical Dimension(Unit : mm):

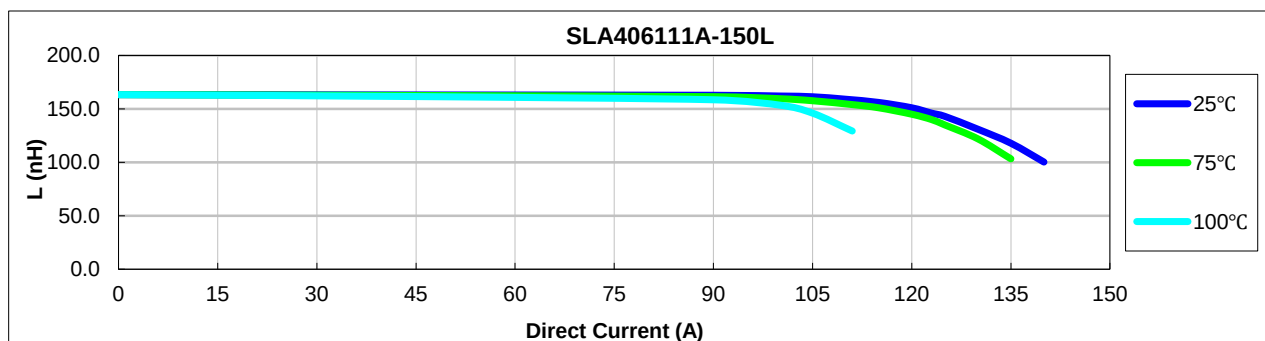
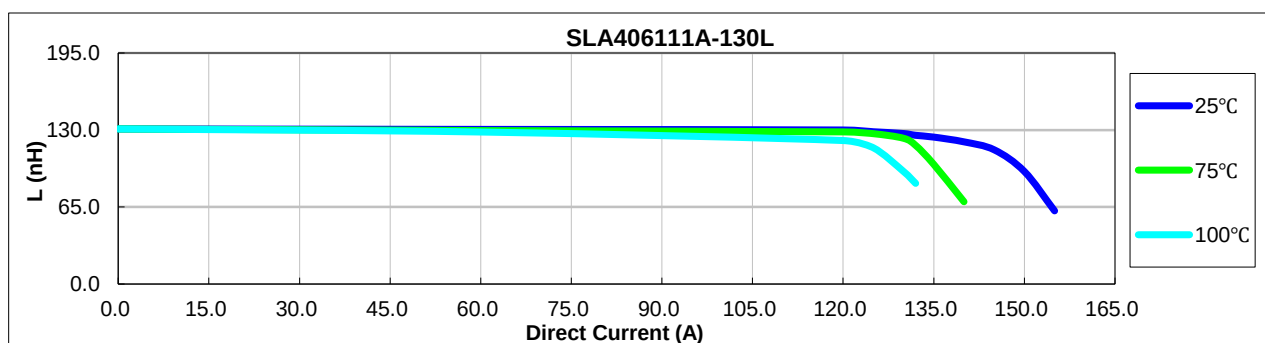
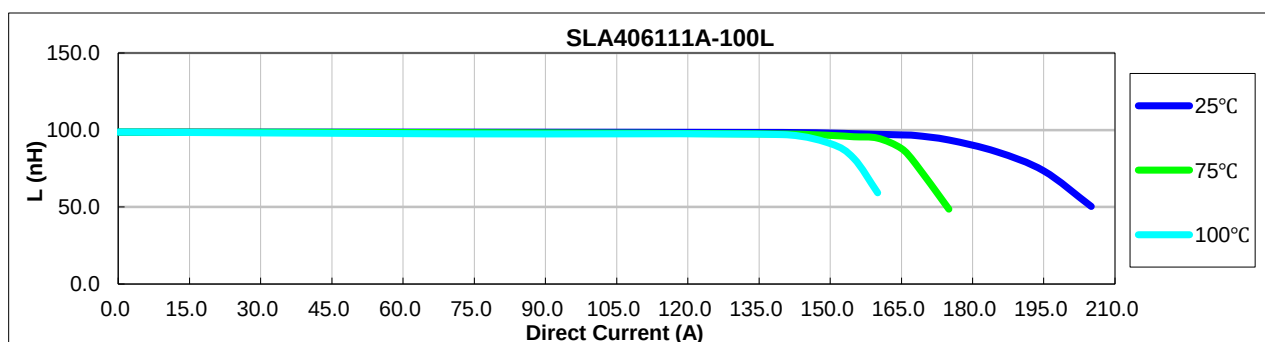
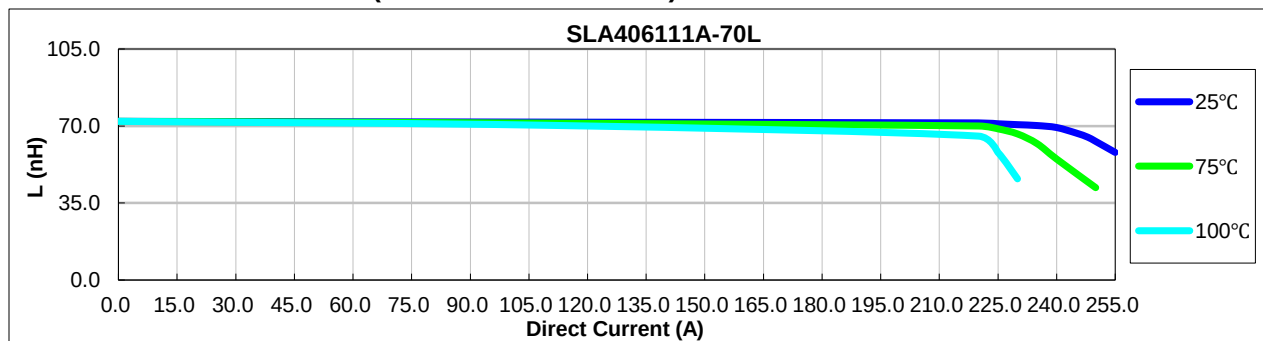
A	B	C	E	F	G
Max.	Max.	Max.	± 0.50	± 0.30	± 0.30
11.00	10.00	15.50	4.30	6.50	2.60



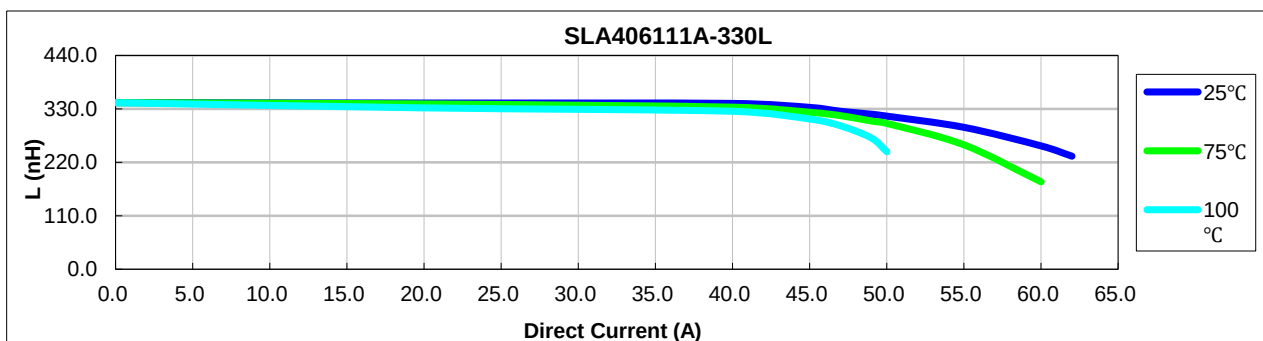
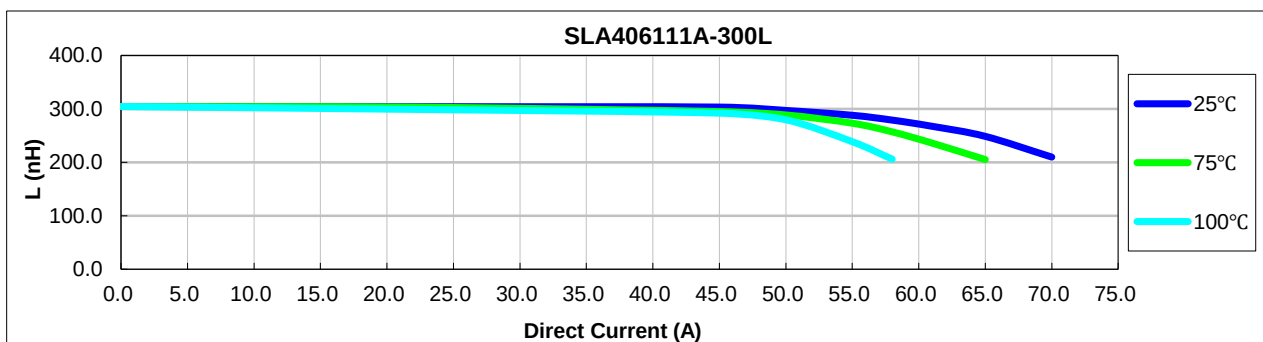
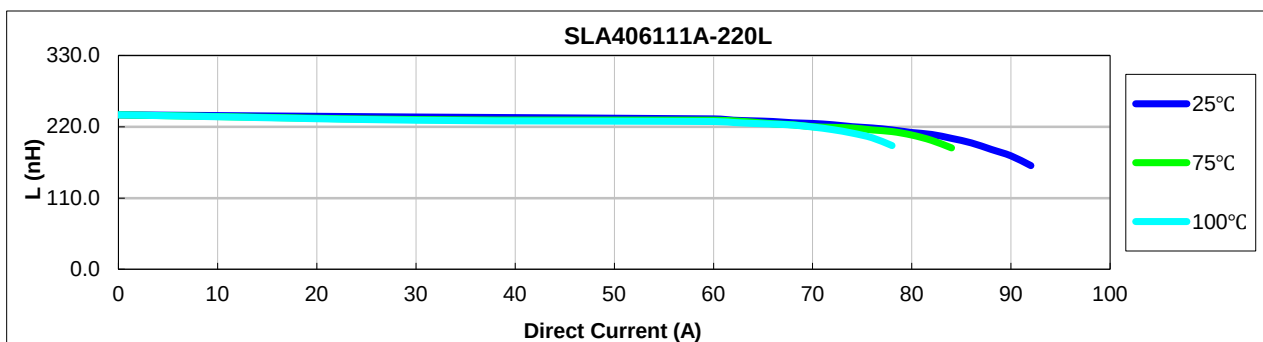
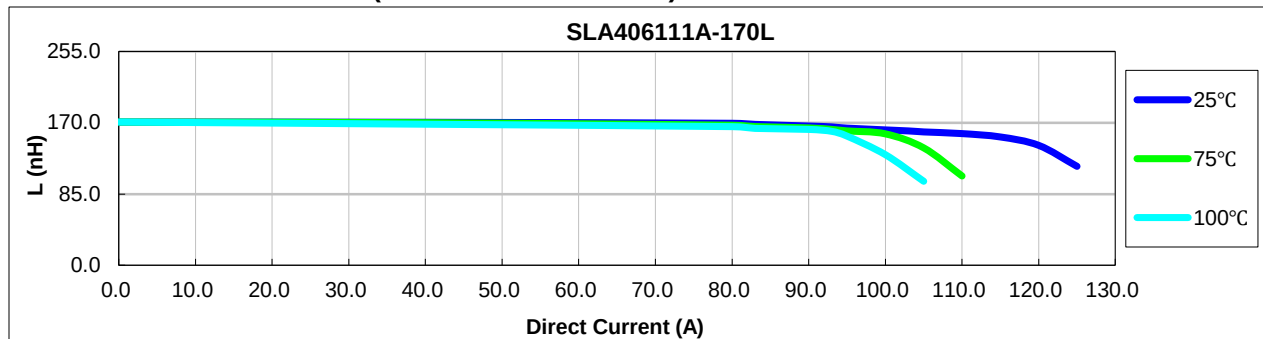
Notes:

1. Open Circuit Inductance (OCL) test condition:100KHz,1.0Vrms,0Adc , at 25 °C.
2. L @ Isat and L @ Irms Test condition:100KHz,1.0Vrms (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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