



SLA36386A Series



1. Features of SLA36386A Series :

- Ferrite based SMD inductor with lower core loss.
- Inductance Range: 70.0nH to 330.0nH, Custom values are welcomed.
- High current output chokes, up to 130.0 Amp with approx. 20% roll off.
- Low Profile 9.50 mm Max. height .
- Foot Print 9.00 x 6.40 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 Qty: 500 pcs , 13" Reel ;

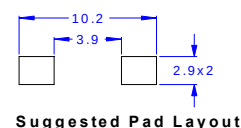
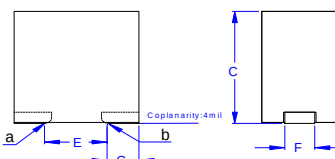
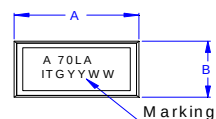


2. Electrical Characteristic of SLA36386A Series:

ITG Part Number	OCL ¹ (nH) ± 15%	L @ Isat1 ² (nH) Min.	DCR ³ (mΩ) ± 10%	Isat1 ⁴ (A) @25°C	Isat2 ⁴ (A) @75°C	Isat3 ⁴ (A) @100°C	Irms ⁵ (A) @25°C
SLA36386A-70L	70.00	49.00	0.125	130.00	125.00	120.00	65.00
SLA36386A-80L	80.00	56.00	0.125	120.00	110.00	105.00	65.00
SLA36386A-90L	90.00	63.00	0.125	105.00	97.00	93.00	65.00
SLA36386A-100L	100.00	70.00	0.125	92.00	85.00	80.00	65.00
SLA36386A-120L	120.00	84.00	0.125	80.00	75.00	70.00	65.00
SLA36386A-150L	150.00	105.00	0.125	65.00	58.00	56.00	65.00
SLA36386A-180L	180.00	126.00	0.125	54.00	48.00	46.00	65.00
SLA36386A-220L	220.00	154.00	0.125	43.00	40.00	39.00	65.00
SLA36386A-270L	270.00	189.00	0.125	34.00	31.00	30.00	65.00
SLA36386A-330L	330.00	231.00	0.125	27.00	25.00	23.00	65.00

3. Mechanical Dimension(Unit : mm):

A	B	C	E	F	G
Max.	Max.	Max.	± 0.30	± 0.20	± 0.20
9.00	6.40	9.50	4.00	2.40	2.50



Notes:

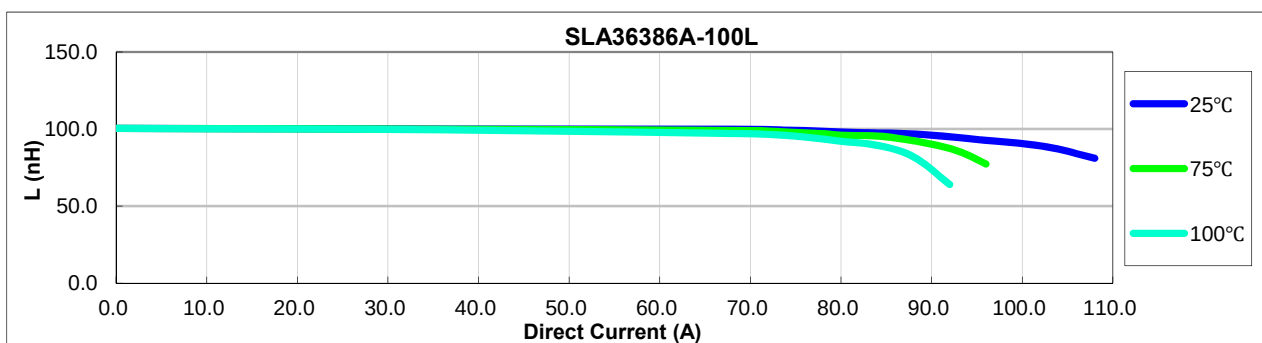
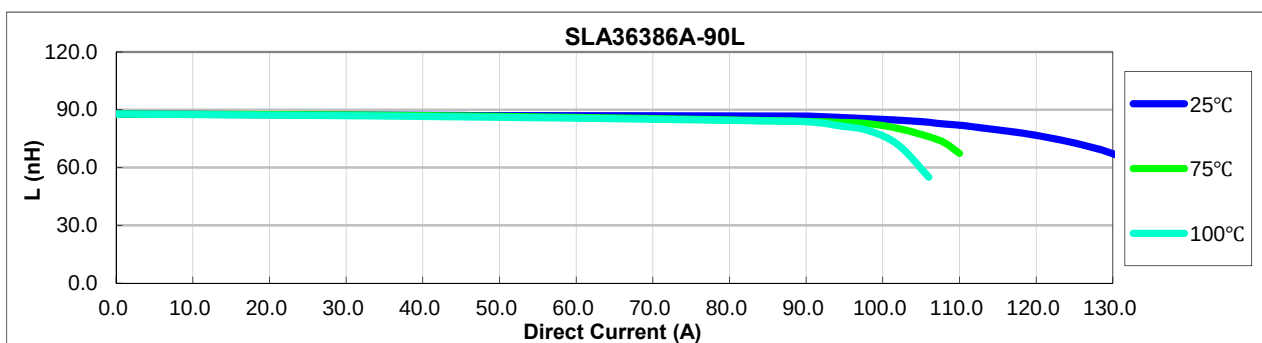
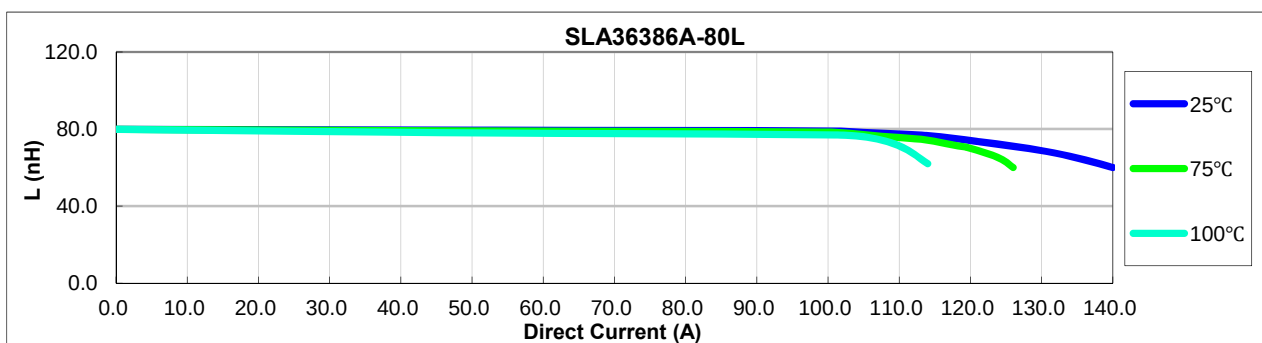
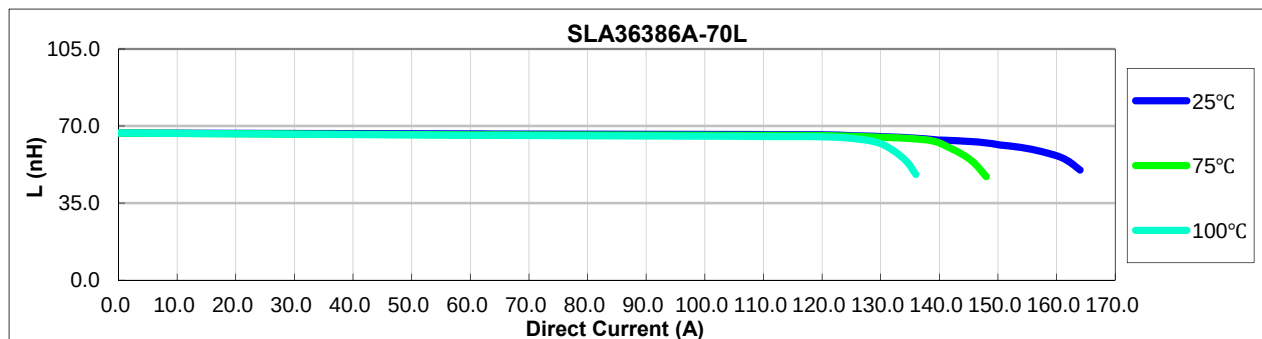
1. Open Circuit Inductance (OCL) test condition:500KHz,0.25Vrms,0Adc ,at 25 °C.
2. L @ Isat and L @ Irms Test condition:500KHz,0.25Vrms (Ta=25 °C).
3. The nominal DCR is measured from point "a" to point "b", as shown above on the mechanical drawing (Ta=25°C).
4. Isat1,Isat2 & Isat3 : DC current that 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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**Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.*



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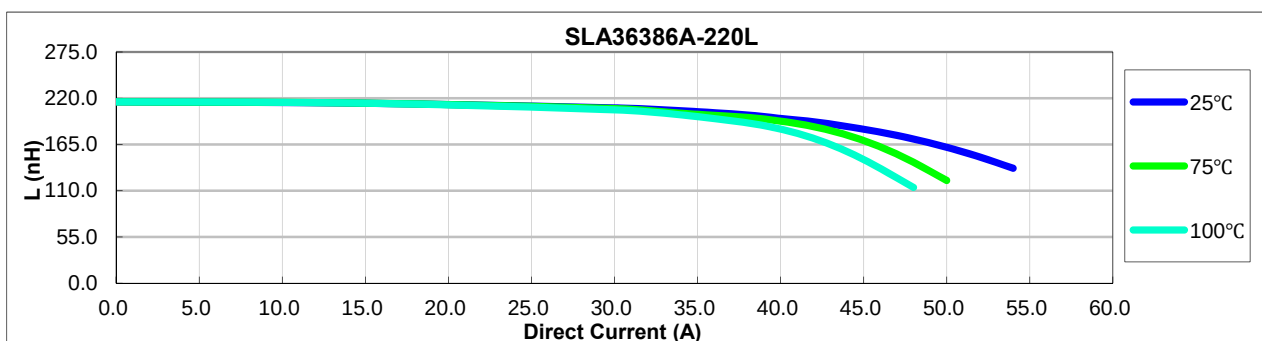
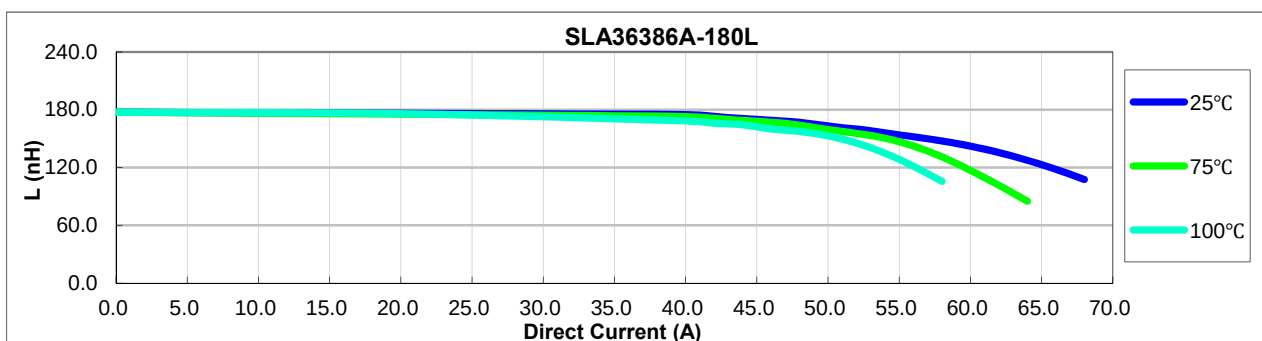
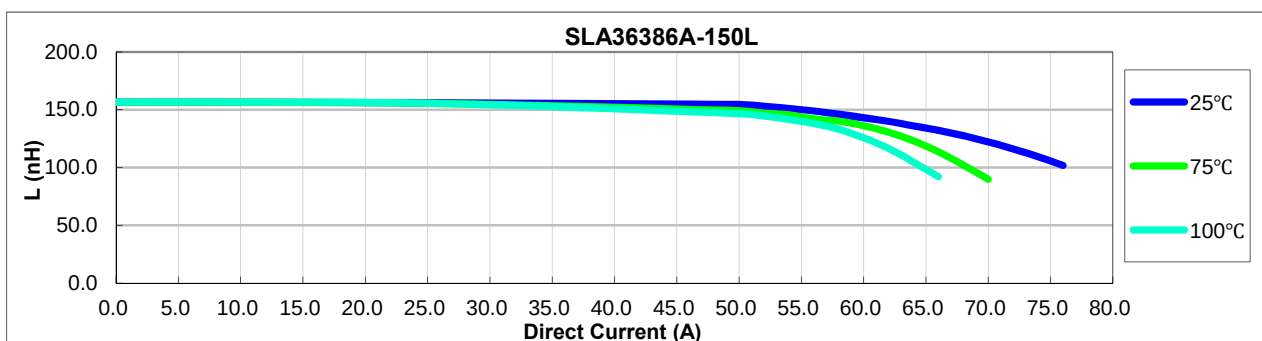
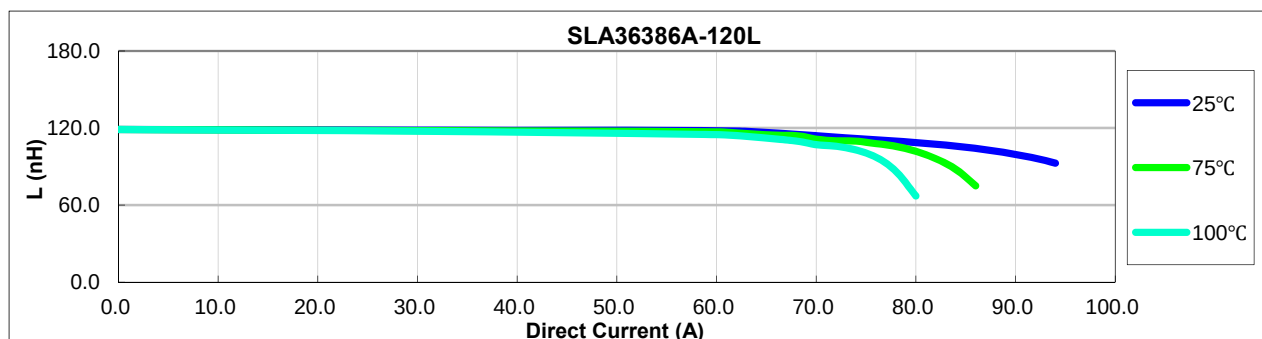


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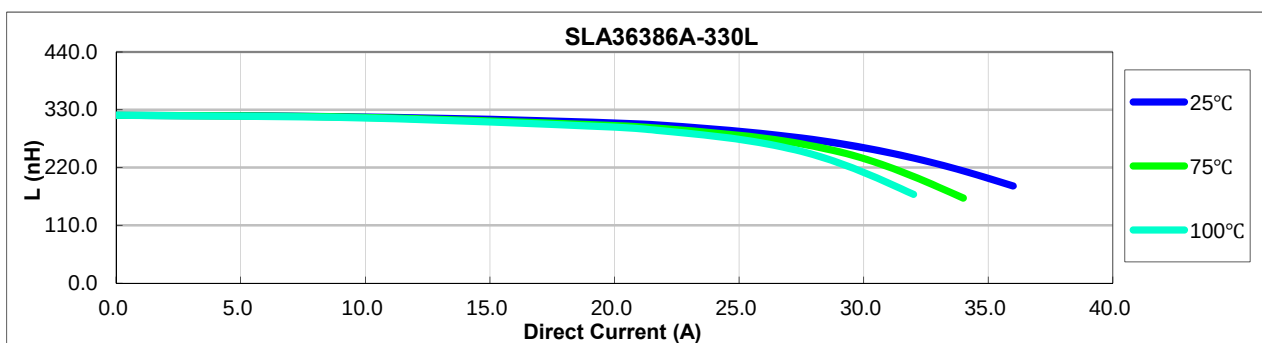
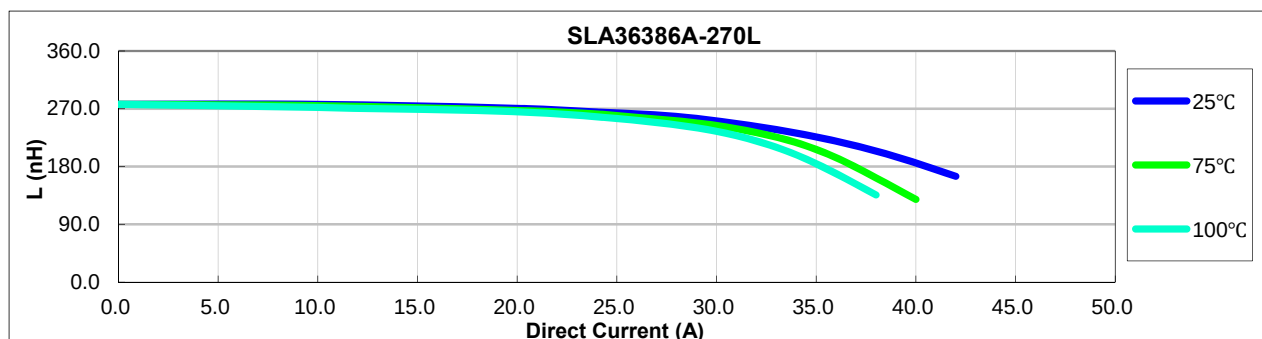


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