

1. Features of SLA3232A Series :

- Ferrite based SMD inductor with lower core loss.
- Inductance Range: 50.0nH to 180.0nH, Custom values are welcomed.
- High current output chokes, up to 169.0 Amp with approx. 20% roll off.
- Low Profile 8.0 mm Max. height .
- Foot Print 8.00 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 Qtys: 400 pcs , 13" Reel ;

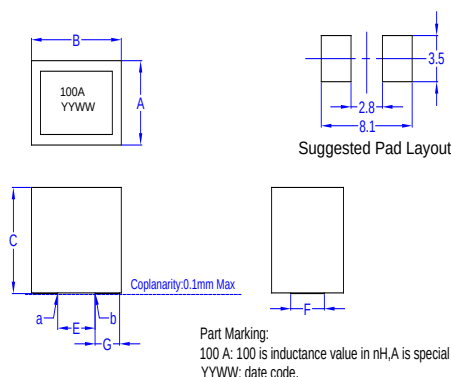


2. Electrical Characteristic of SLA3232A Series:

ITG Part Number	OCL ¹ (nH) ± 10%	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
SLA3232A-50K	50.00	36.00	0.18	169.00	156.00	145.00	46.00
SLA3232A-55K	55.00	39.00	0.18	155.00	145.00	134.00	46.00
SLA3232A-60K	60.00	43.00	0.18	140.00	130.00	121.00	46.00
SLA3232A-70K	70.00	50.00	0.18	123.00	112.00	105.00	46.00
SLA3232A-90K	90.00	64.00	0.18	93.00	87.00	80.00	46.00
SLA3232A-100K	100.00	72.00	0.18	87.00	80.00	74.00	46.00
SLA3232A-120K	120.00	86.00	0.18	71.00	65.00	60.00	46.00
SLA3232A-150K	150.00	108.00	0.18	56.00	52.00	48.00	46.00
SLA3232A-180K	180.00	129.00	0.18	46.00	43.00	39.00	46.00

3. Mechanical Dimension(Unit : mm):

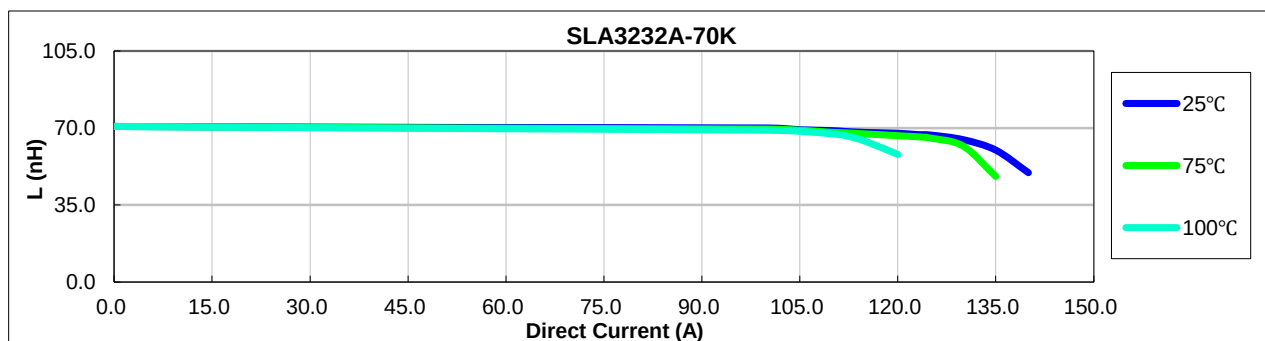
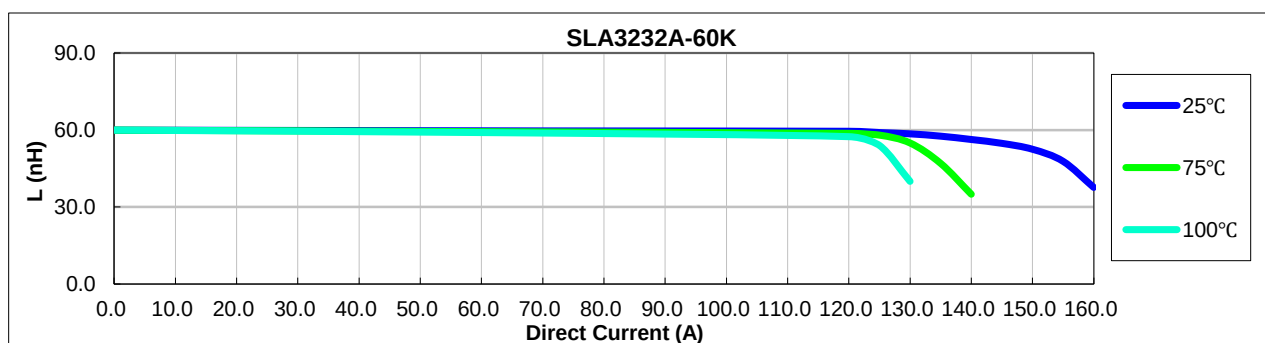
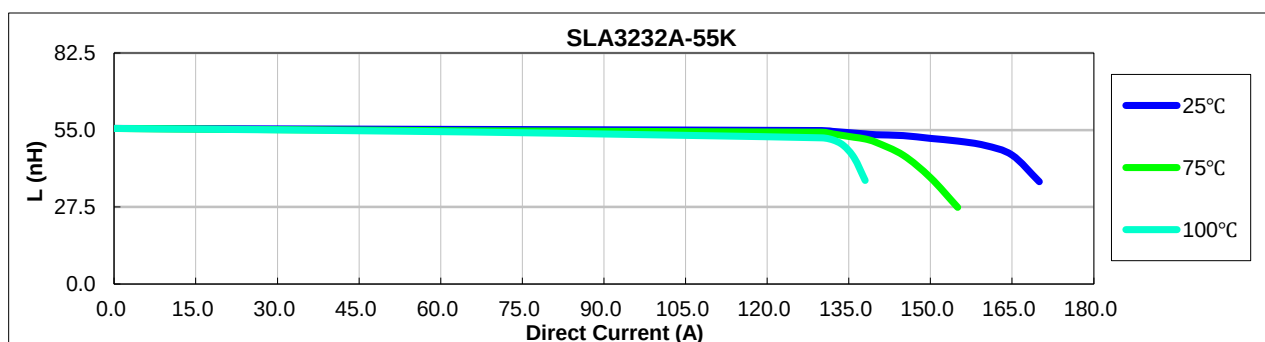
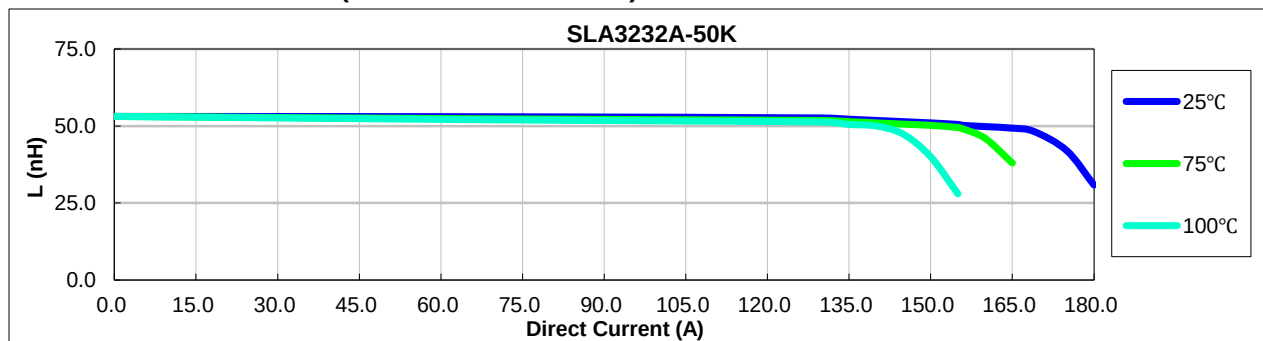
A	B	C	E	F	G
Max.	Max.	Max.	± 0.50	± 0.25	± 0.25
6.40	8.00	8.00	3.30	3.00	2.20



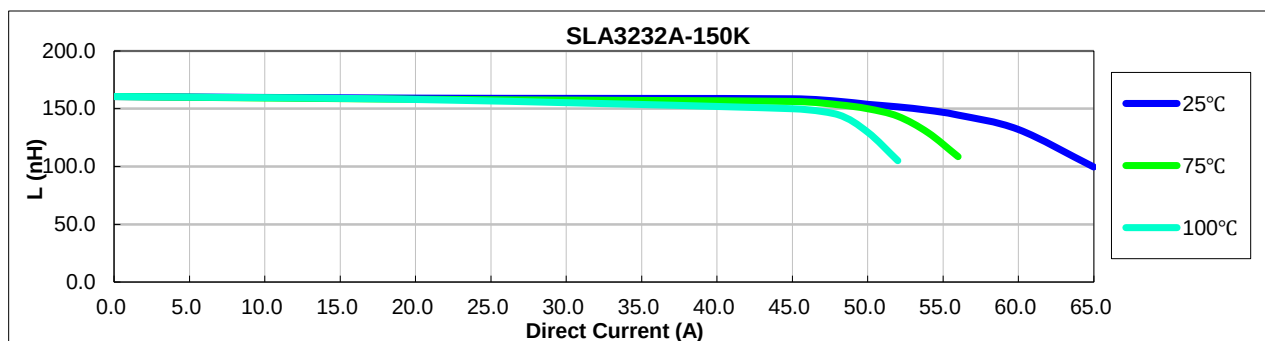
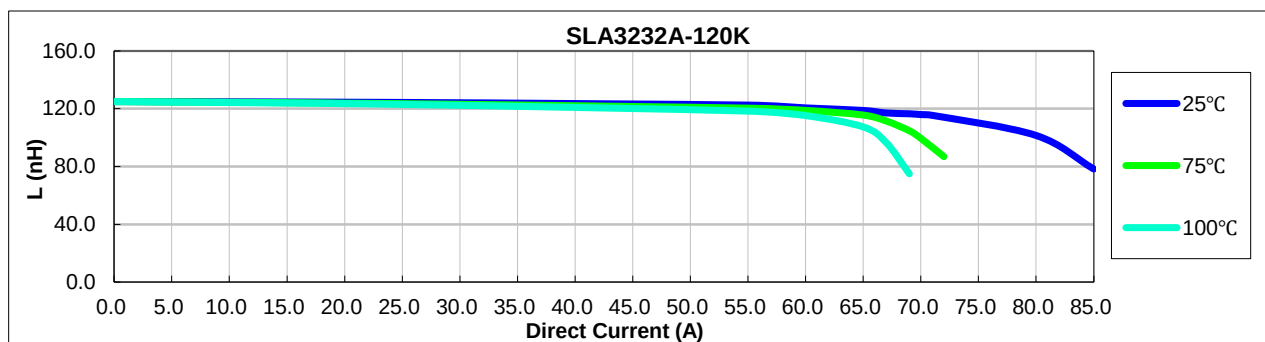
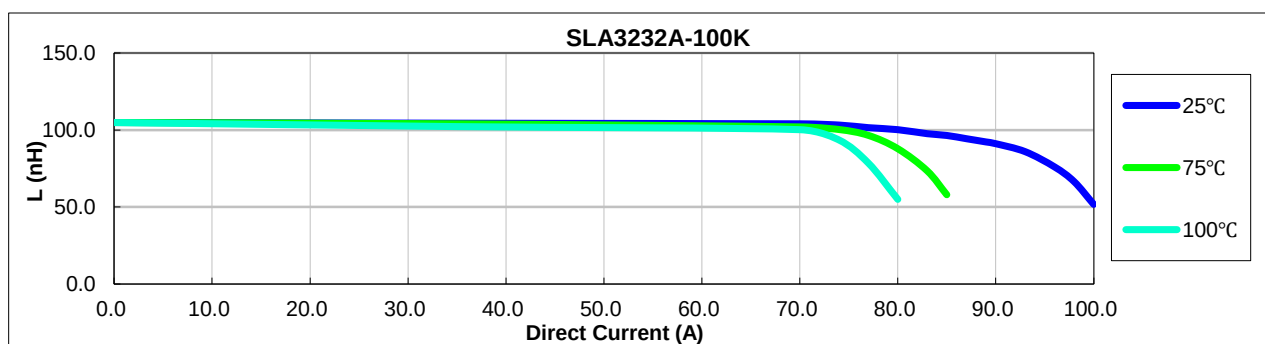
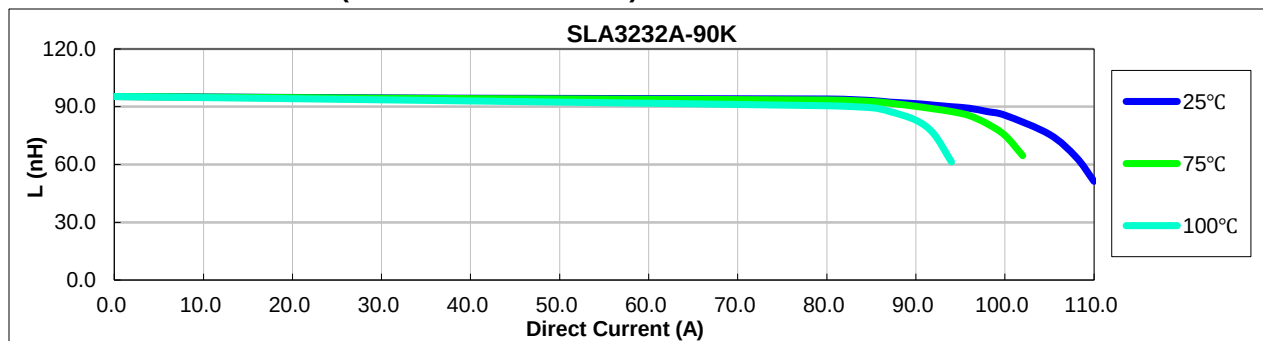
Notes:

1. Open Circuit Inductance (OCL) test condition: 500KHz, 0.25Vrms, 0A_{dc} , 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.

4. Inductance Characteristics (Inductance vs Current):



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