

1. Features of SL4320 Series :

- Ferrite based SMD inductor with lower core loss.
- Inductance Range:55.0nH to 400.0nH. Custom values are welcomed.
- High current output chokes, up to 160 Amp with approx. 20% roll off.
- Low Profile 5.0mm/ 5.1mm Max. height .
- Foot Print 11.0 x 8.0 mm Max.
- 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 : 1050 pcs , 13" Reel .

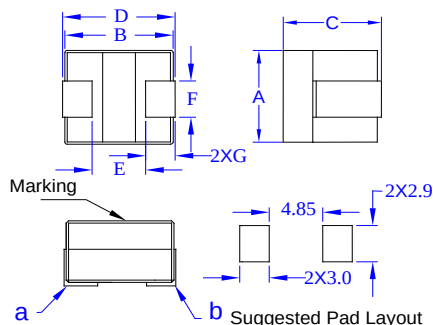


2. Electrical Characteristic of SL4320 Series:

Part Number	Inductance (nH)		DCR (mΩ)	Isat ¹ (A)	Isat ² (A)	Isat ³ (A)	Isat ⁴ (A)	Irms (A)	C (mm)
	±10% or ±15%		± 7.0%	@25°C	@75°C	@100°C	@125°C	@25°C	Max.
SL4320A-R055KHF	55.0	±10%	0.35	160.00	148.00	140.00	127.00	62.00	5.10
SL4320A-R075KHF	75.0	±10%	0.35	116.00	108.00	102.00	92.00	62.00	5.10
SL4320A-R085KHF	85.0	±10%	0.35	103.00	96.00	90.00	81.00	62.00	5.10
SL4320A-R10KHF	100.0	±10%	0.35	93.50	84.00	80.00	67.00	62.00	5.10
SL4320A-R12KHF	120.0	±10%	0.35	78.00	70.00	65.00	62.00	62.00	5.10
SL4320A-R15KHF	150.0	±10%	0.35	64.00	56.00	52.00	48.00	62.00	5.00
SL4320A-R22KHF	226.0	±10%	0.35	40.00	35.00	33.00	30.00	62.00	5.00
SL4320A-R27LHF	270.0	±15%	0.35	31.00	28.00	26.00	23.00	62.00	5.00
SL4320A-R33LHF	330.0	±15%	0.35	25.00	23.00	21.00	19.00	62.00	5.00
SL4320A-R40LHF	400.0	±15%	0.35	21.00	19.00	18.00	16.00	62.00	5.00

3. Mechanical Dimension(Unit : mm):

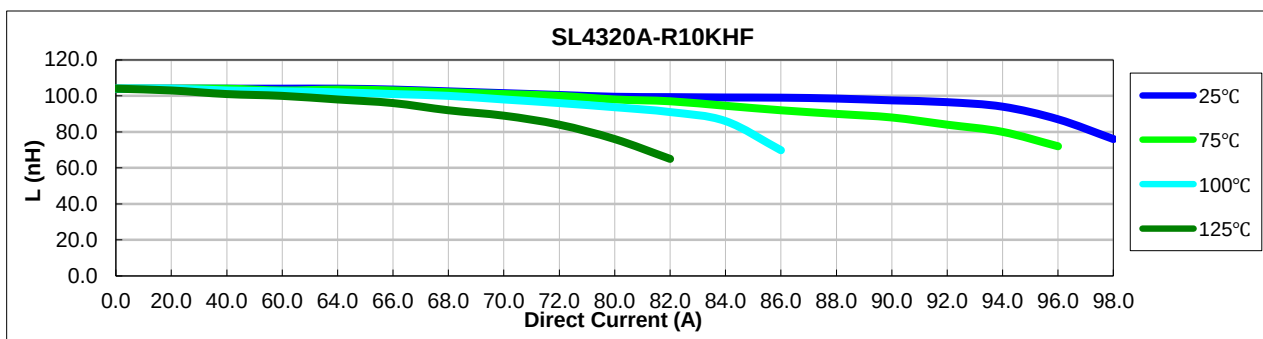
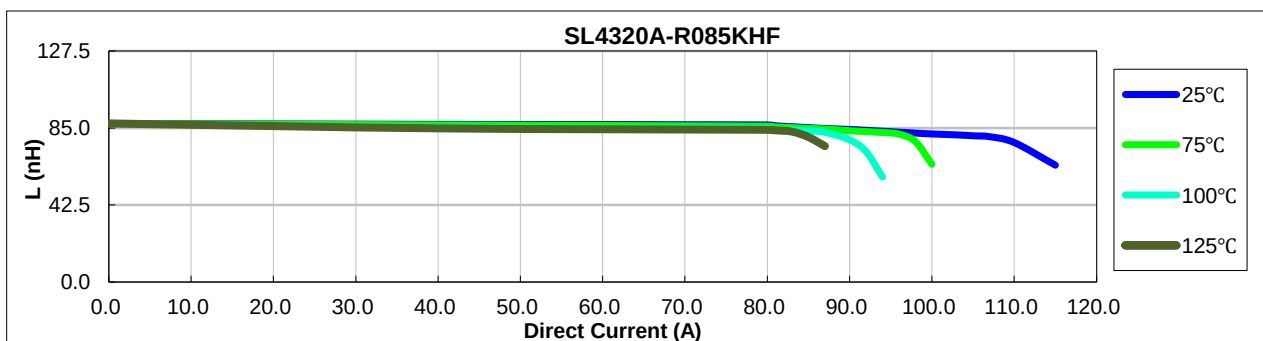
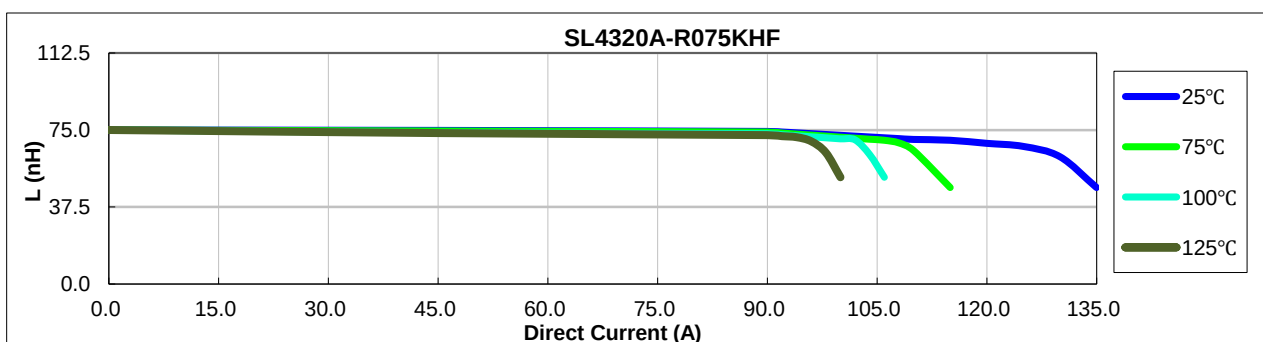
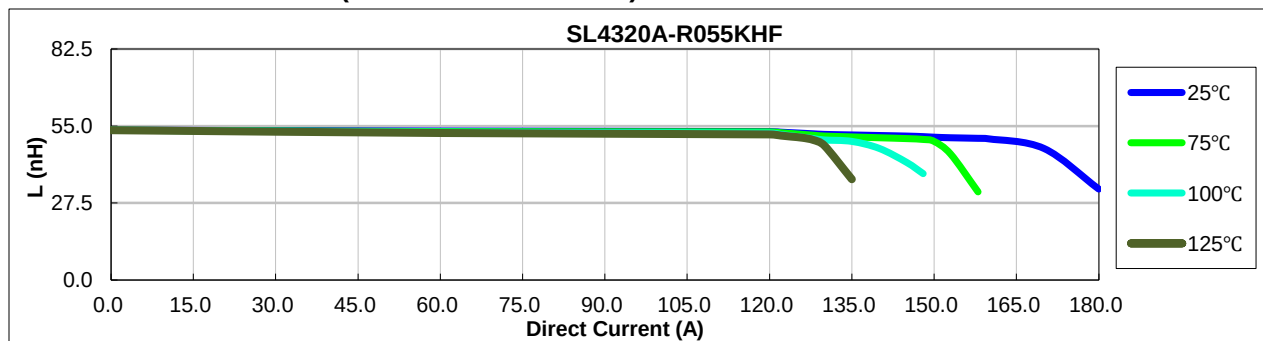
A	B	C	D	E	F	G
Max.	Max.	Max.	Max.	Ref.	Nom.	Nom.
8.00	10.90	See Table	11.00	6.00	2.40	2.50



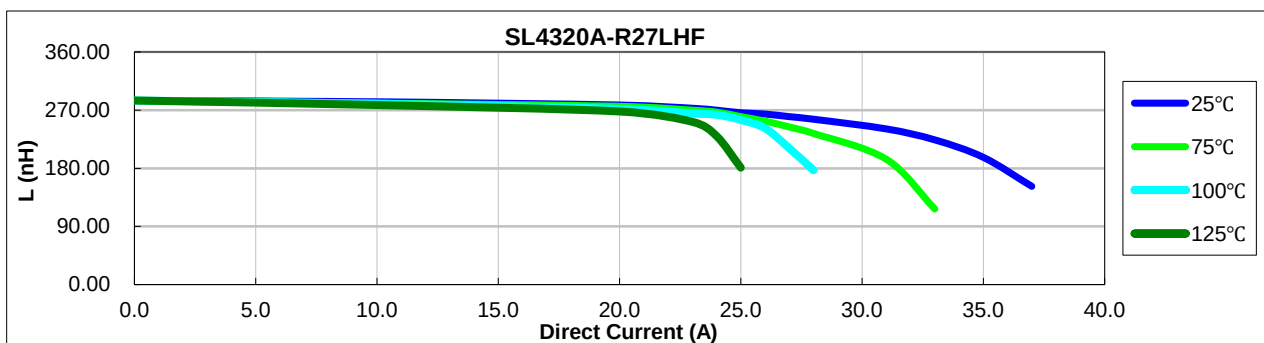
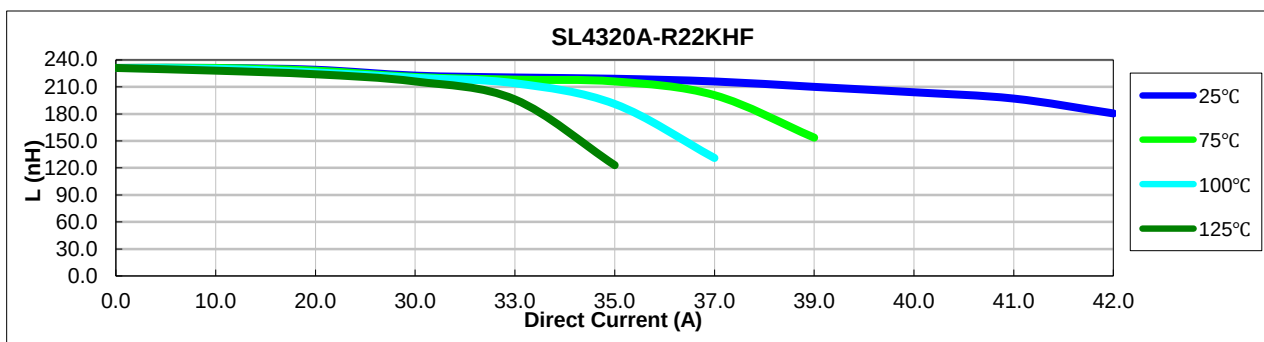
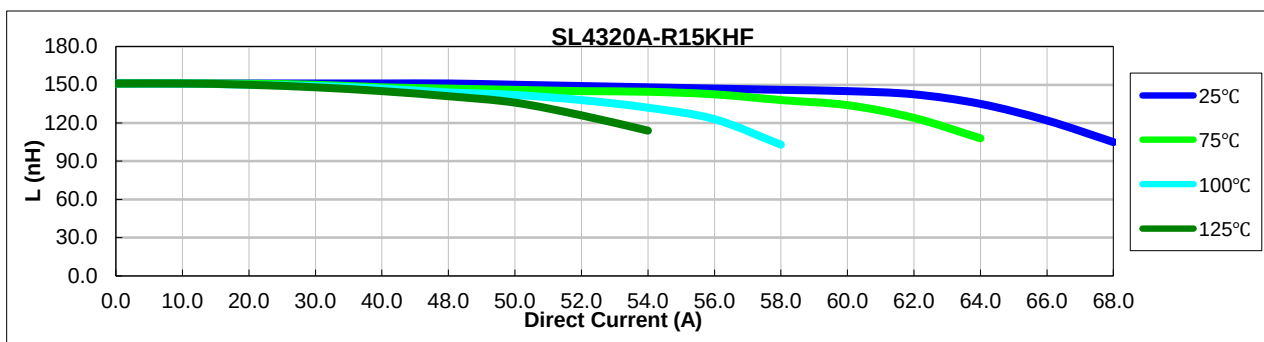
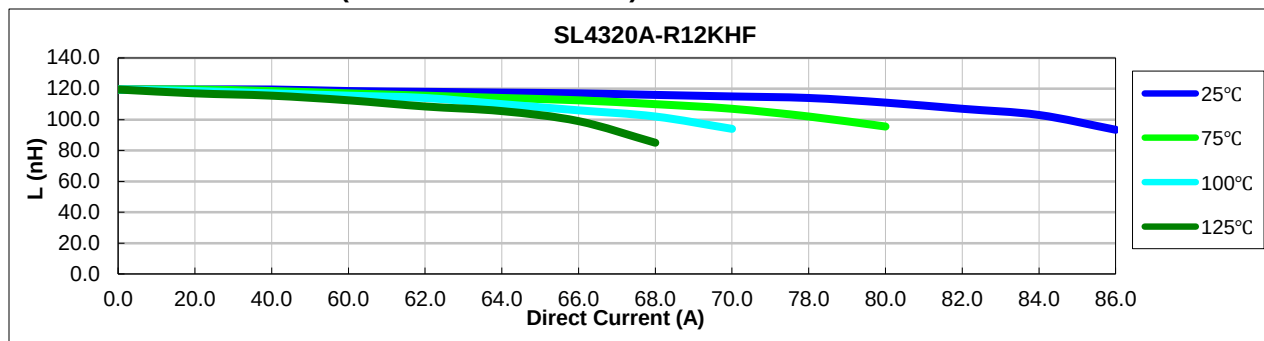
Notes:

1. Open Circuit Inductance (OCL) test condition:100KHz,0.1Vrms,0Adc ,at 25 °C.
2. Full Load Inductance (FLL) Test condition:100KHz,0.1Vrms ;(Ta=25 °C).
3. Isat1,Isat2 ,Isat3 & Isat4 : DC current that will cause inductance to drops approximately by 20% ;
4. 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.
5. The nominal DCR is measured from point "a" to point "b", as shown above on the mechanical drawing.

4. Inductance Characteristics (Inductance vs Current):



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