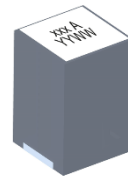


L101423A Series



1. Features of L101423A Series :

- Ferrite based SMD inductor with lower core loss.
- Inductance Range: 70.0nH to 240.0nH, Custom values are welcomed.
- High current output chokes, up to 115.0 Amp with approx. 20% roll off.
- Low Profile 10.00 mm Max. height .
- Foot Print 6.50 x 6.50 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: 450 pcs , 13" Reel ;

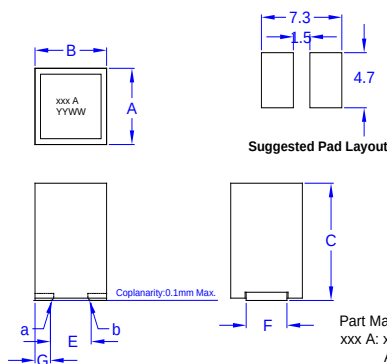


2. Electrical Characteristic of L101423A Series:

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
L101423A-70L	70.00	50.40	0.170	115.00	100.00	95.00	70.00
L101423A-90L	90.00	64.80	0.170	89.00	78.00	74.00	70.00
L101423A-100L	100.00	72.00	0.170	80.00	70.00	66.00	70.00
L101423A-120L	120.00	86.40	0.170	66.00	57.00	54.00	70.00
L101423A-150L	150.00	108.00	0.170	52.00	45.00	43.00	70.00
L101423A-200L	200.00	144.00	0.170	37.00	32.00	30.00	70.00
L101423A-220L	220.00	158.40	0.170	33.00	31.00	30.00	70.00
L101423A-240L	240.00	172.80	0.170	31.00	28.00	26.00	70.00

3. Mechanical Dimension(Unit : mm):

A	B	C	E	F	G
Max.	Max.	Max.	± 0.30	± 0.20	± 0.20
6.50	6.50	10.00	3.10	3.70	1.60



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.

Part Marking:
xxx A: xxx is inductance value in nH,
A is special code.
YYWW: date code.

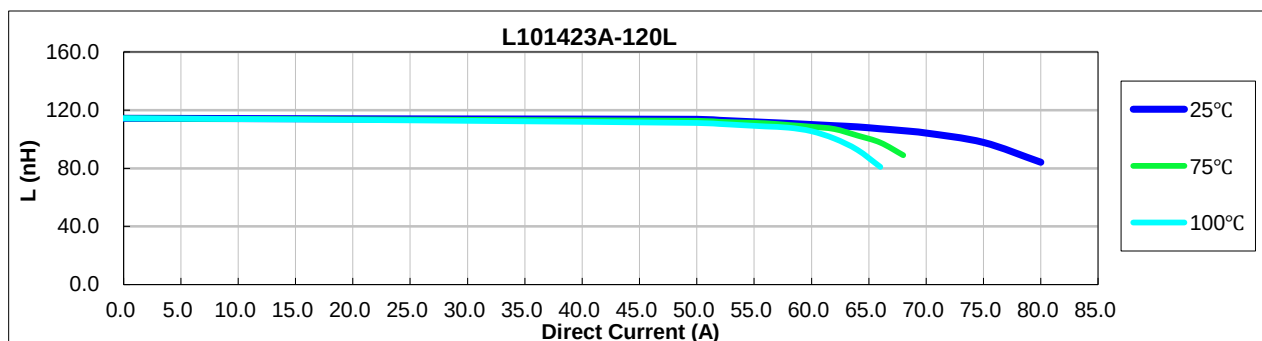
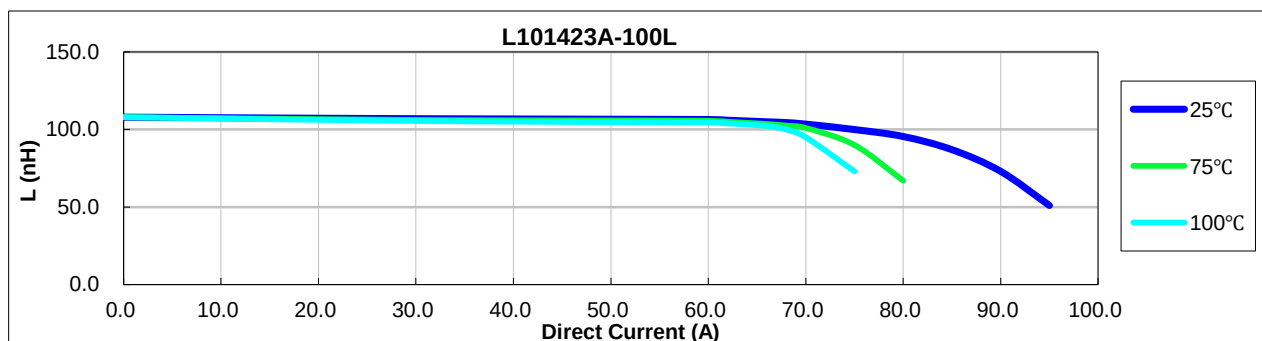
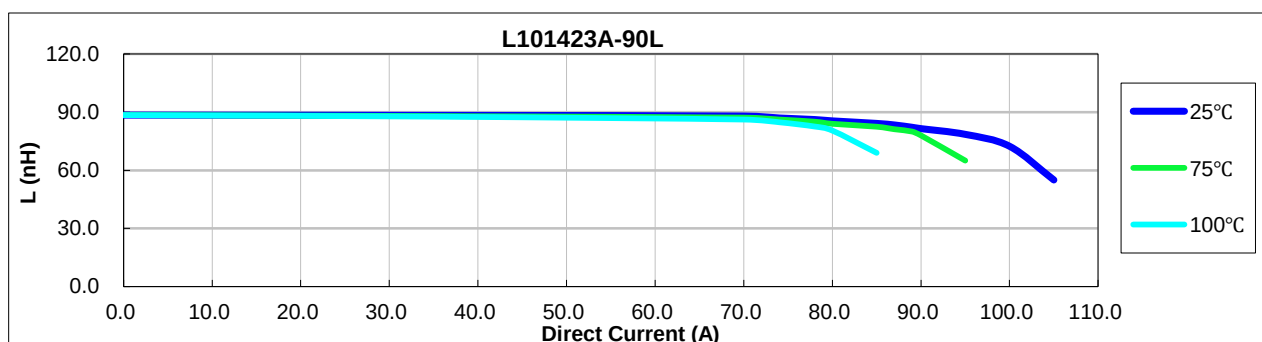
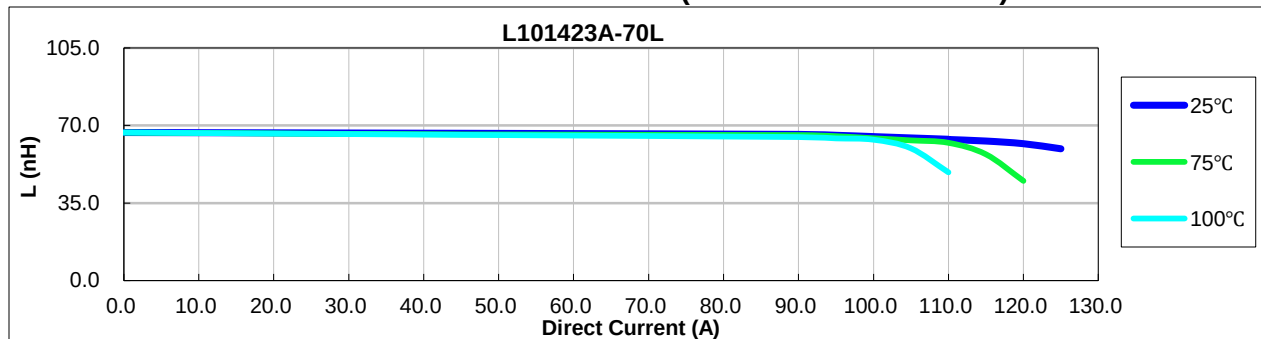


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4. Inductance Characteristics of L101423A Series (Inductance vs Current):



4. Inductance Characteristics of L101423A Series (Inductance vs Current):

