



SPI230-130-SERIES-A



Applications

- Noise suppression for motors : windshield wipers / power seats / power mirrors / heating and ventilation blower / HID lighting
- Engine and transmission control units
- DC/DC converters for entertainment/navigation systems
- LED drivers
- Battery power systems

Environmental data

- Operating temperature range : -55°C ~ +155°C(component)
- Storage conditions (packaged) : -25°C ~ +40°C, ≤75% RH
- Complies with AEC-Q200 standard

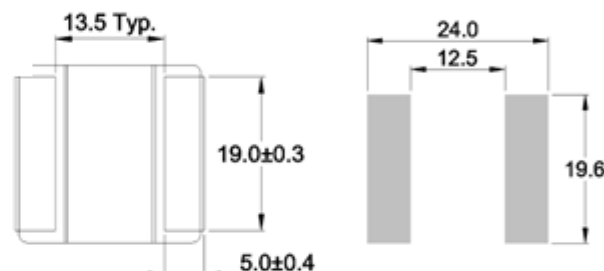
Dimensions [Unit : mm]



Picture



Land Pattern [Unit : mm]



Specifications

Part No.	L0 Inductance(μH) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	TYP.	TYP.
SPI230-130-1R0M-A	1.0 ± 20%	0.8	0.95	60	70
SPI230-130-1R5M-A	1.5 ± 20%	0.95	1.15	52	62
SPI230-130-2R2M-A	2.2 ± 20%	1.05	1.25	48	58
SPI230-130-3R3M-A	3.3 ± 20%	1.5	1.75	41	49
SPI230-130-4R7M-A	4.7 ± 20%	1.9	2.2	38	47
SPI230-130-6R8M-A	6.8 ± 20%	2.7	3.1	36	40
SPI230-130-100M-A	10.0 ± 20%	3.8	4.15	28	33
SPI230-130-150M-A	15.0 ± 20%	5.1	6.1	23	26
SPI230-130-220M-A	22.0 ± 20%	9.2	11	15	22
SPI230-130-330M-A	33.0 ± 20%	13.5	15.4	12	19
SPI230-130-470M-A	47.0 ± 20%	17.3	20.8	12	17
SPI230-130-680M-A	68.0 ± 20%	26.2	29.5	12	14
SPI230-130-820M-A	82.0 ± 20%	31	34.2	9	12
SPI230-130-101M-A	100.0 ± 20%	36	40	9	11

Notes

- * All test data is referenced to 25 °C ambient
- a) DC current (A) that will cause L0 to drop approximately 30 %
- b) DC current (A) that will cause an approximate ΔT of 40 °C

Packing Q'ty (PCS)

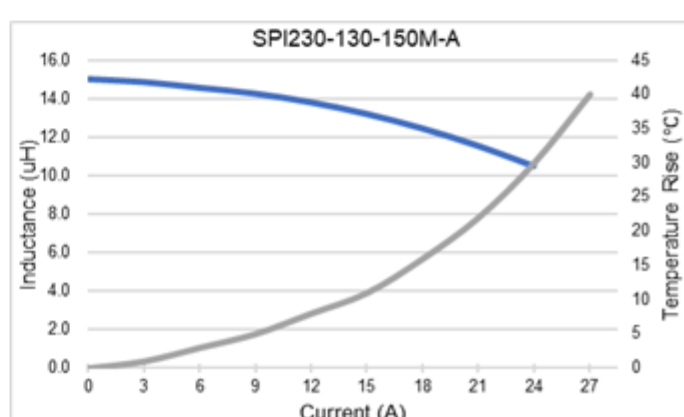
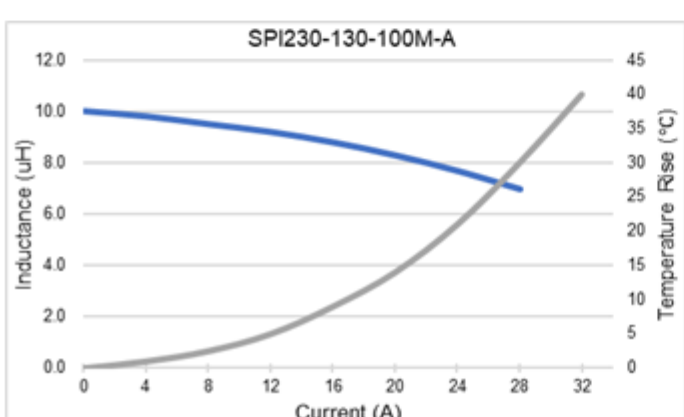
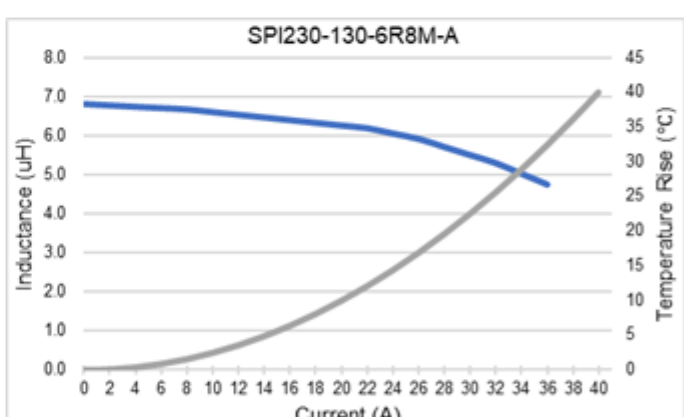
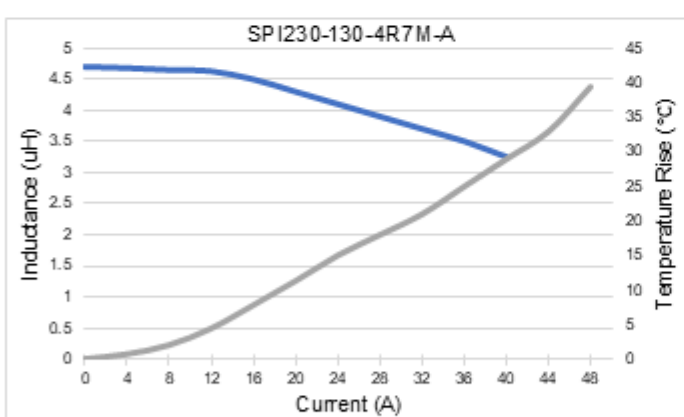
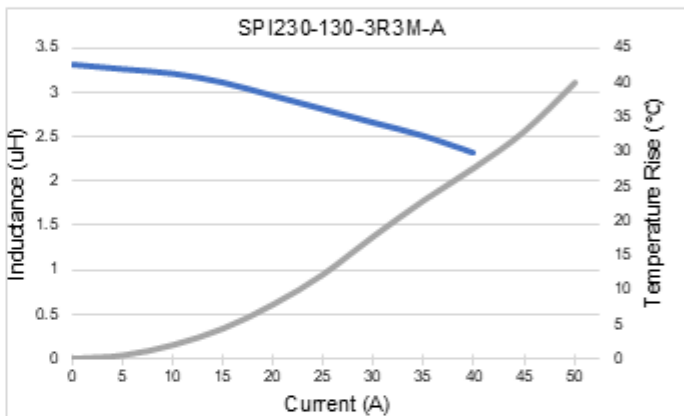
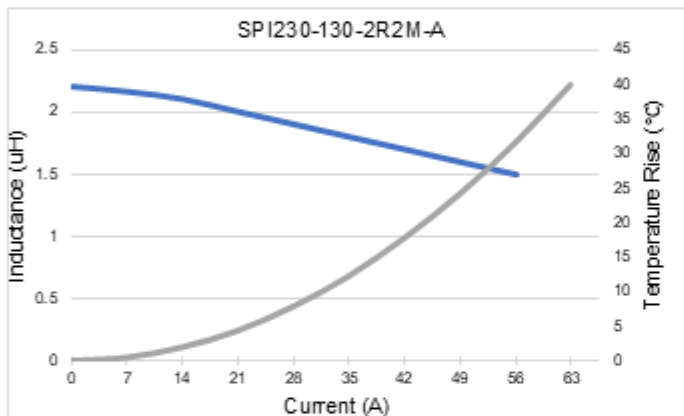
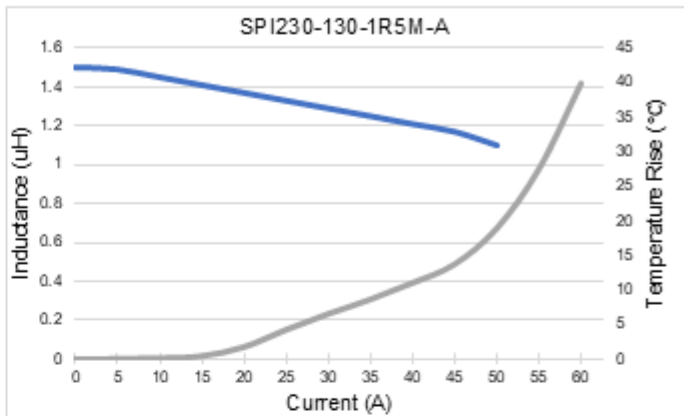
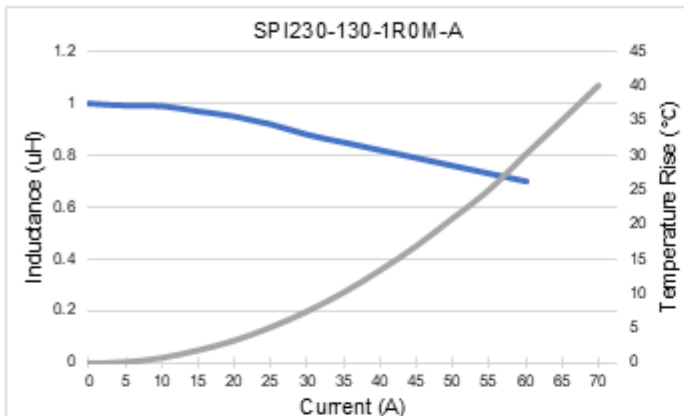
- * Reel : 80
- * Box : 240



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Performance Graph

Inductance (uH)
Temperature Rise (°C)





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Performance Graph

— Inductance (uH)
— Temperature Rise (°C)

