



SPI130-65-SERIES-A

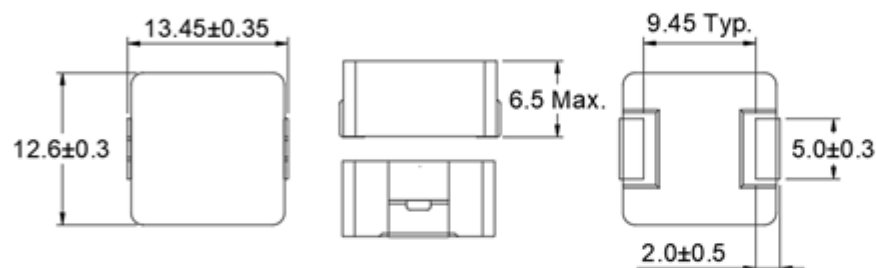
Applications

- 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

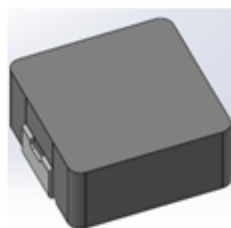
Environmental data

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

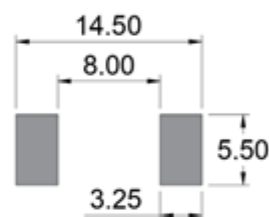
Dimensions [Unit : mm]



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.
SPI130-65-1R0M-A	1.0 ± 20%	1.6	1.9	35	28
SPI130-65-1R5M-A	1.5 ± 20%	2.4	2.9	30	25
SPI130-65-2R2M-A	2.2 ± 20%	3.5	4.2	26	22
SPI130-65-3R3M-A	3.3 ± 20%	5.5	6.7	25	20
SPI130-65-4R7M-A	4.7 ± 20%	7	8.5	24	16
SPI130-65-5R6M-A	5.6 ± 20%	8.7	10.5	22.5	14
SPI130-65-6R8M-A	6.8 ± 20%	10	12	19	13
SPI130-65-8R2M-A	8.2 ± 20%	11.6	14	16	12
SPI130-65-100M-A	10.0 ± 20%	13.7	16.5	15	11
SPI130-65-150M-A	15.0 ± 20%	21.6	26	11	9.5
SPI130-65-180M-A	18.0 ± 20%	28	33.6	9.5	8.5
SPI130-65-220M-A	22.0 ± 20%	30	36	9	8
SPI130-65-330M-A	33.0 ± 20%	54.1	65	8	6.5
SPI130-65-470M-A	47.0 ± 20%	58.3	70	6.8	5.5
SPI130-65-680M-A	68.0 ± 20%	100	120	5.2	4.8
SPI130-65-820M-A	82.0 ± 20%	112.5	135	4.5	4
SPI130-65-101M-A	100.0 ± 20%	150	180	4	3.5

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)

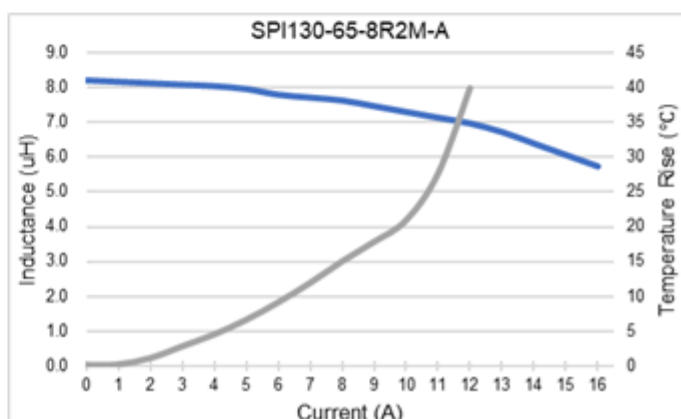
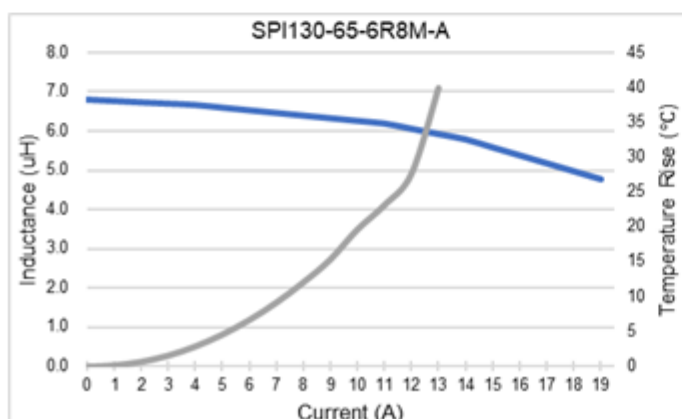
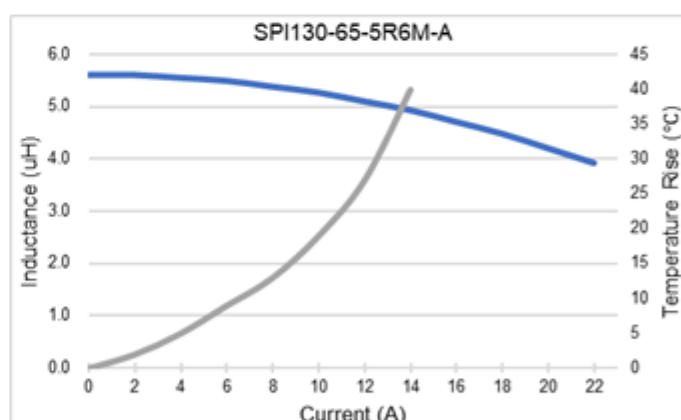
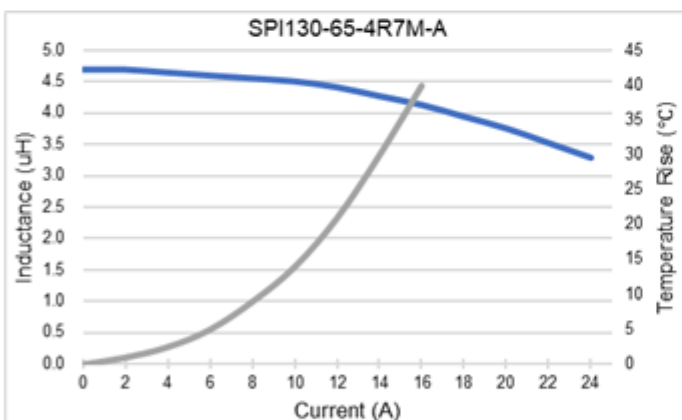
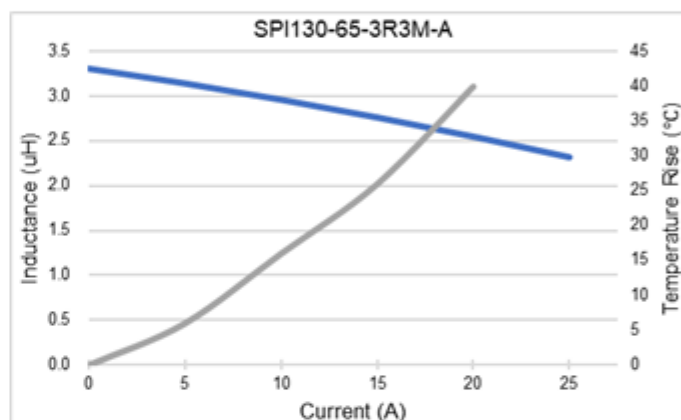
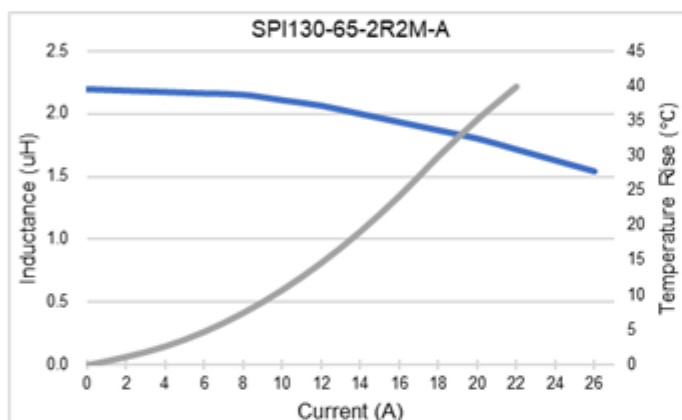
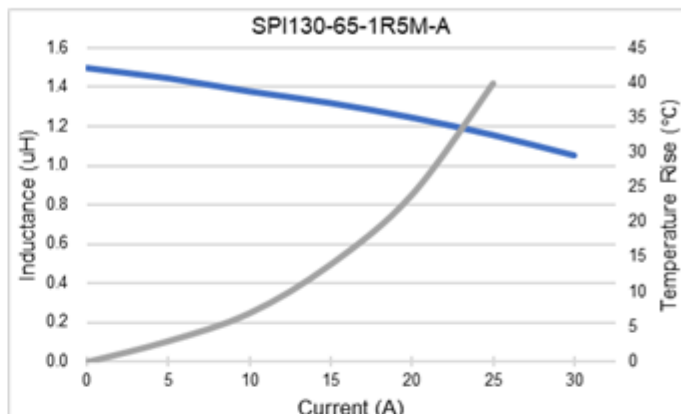
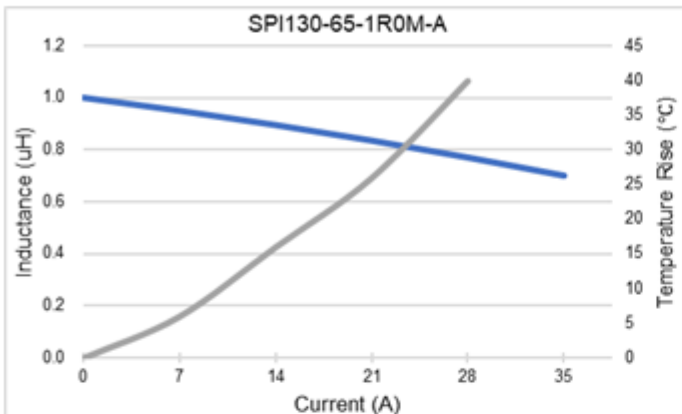
- * Reel : 500
- * Box : 2,000



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Performance Graph

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

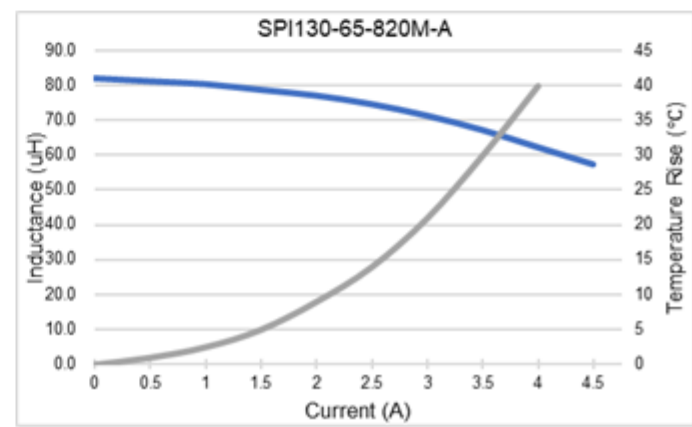
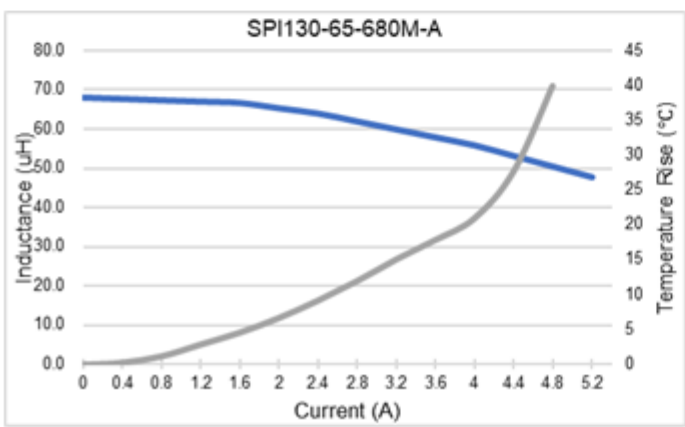
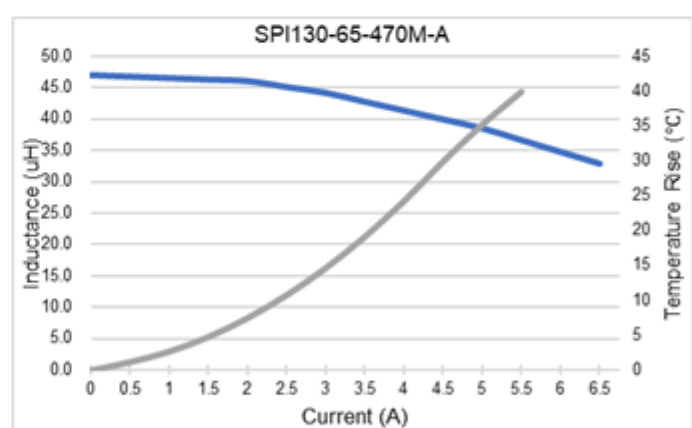
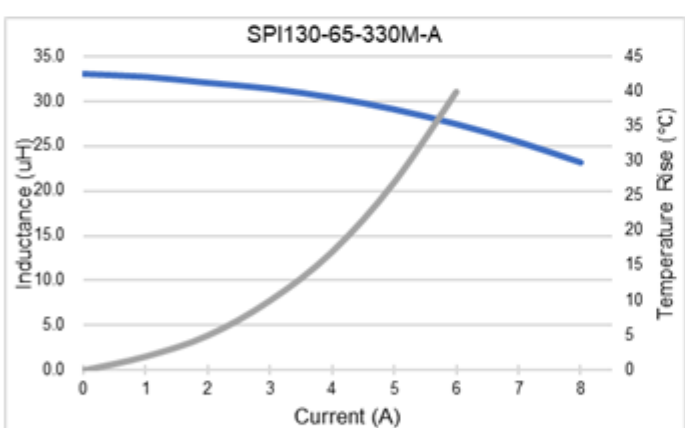
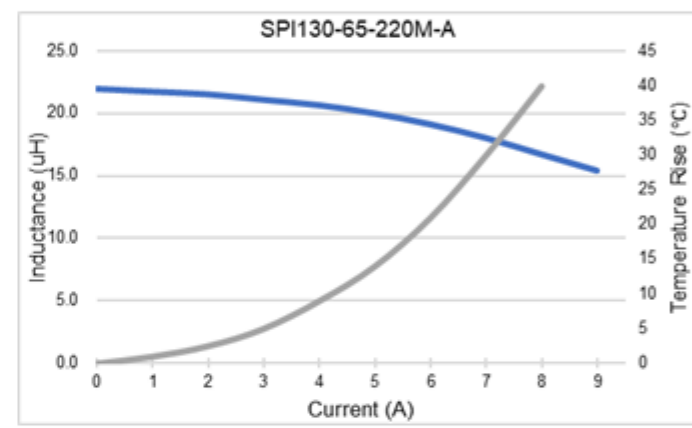
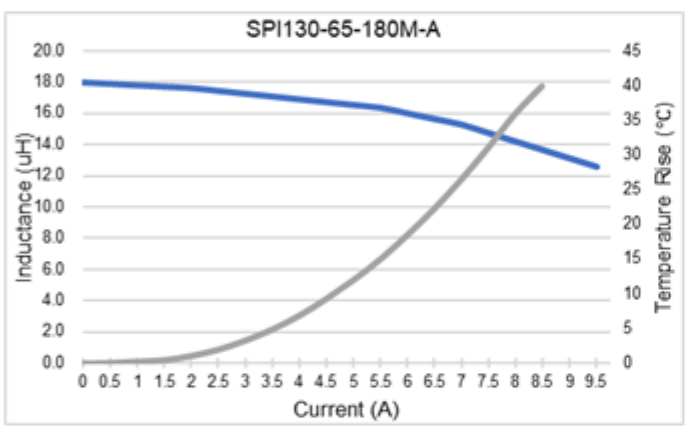
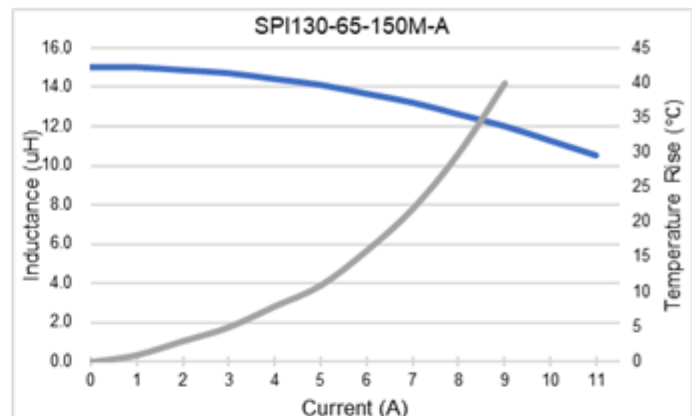
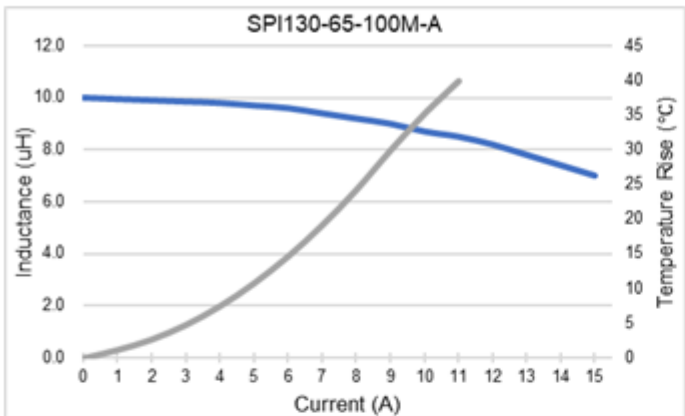




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— Temperature Rise (°C)





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