



SPI130-60-SERIES-A



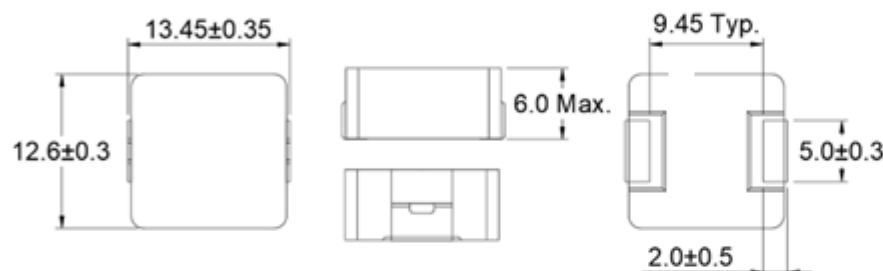
Applications

- 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

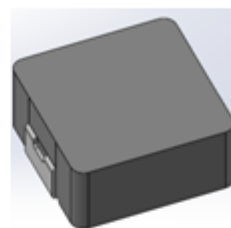
Environmental data

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

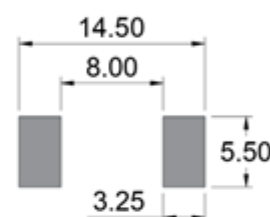
Dimensions [Unit : mm]



Picture



Land Pattern [Unit : mm]



Specifications

Part No.	L0 Inductance(uH) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a	Heating Rating Current DC(A) b
		TYP.	MAX.	TYP.	TYP.
SPI130-60-1R0M-A	1.0±20%	1.8	2.3	31	28
SPI130-60-1R5M-A	1.5±20%	2.6	3.1	27	24
SPI130-60-2R2M-A	2.2±20%	3.7	4.5	24	21
SPI130-60-3R3M-A	3.3±20%	5.6	6.8	23.5	17.5
SPI130-60-4R7M-A	4.7±20%	7.5	9	23	15
SPI130-60-5R6M-A	5.6±20%	9.1	11	22.5	13
SPI130-60-6R8M-A	6.8±20%	11.2	13.5	19	12
SPI130-60-8R2M-A	8.2±20%	13.3	16	13.5	11
SPI130-60-100M-A	10.0±20%	17.2	20.7	12.5	10
SPI130-60-120M-A	12.0±20%	19.1	23	10	9
SPI130-60-150M-A	15.0±20%	24.1	29	9	8.5
SPI130-60-180M-A	18.0±20%	29.1	35	8	7.5
SPI130-60-220M-A	22.0±20%	32.9	39.5	7.5	7
SPI130-60-270M-A	27.0±20%	46.6	56	6.5	6
SPI130-60-330M-A	33.0±20%	62.5	75	6	5.5
SPI130-60-470M-A	47.0±20%	75	90	5.5	5
SPI130-60-680M-A	68.0±20%	116.6	140	4.5	4
SPI130-60-101M-A	100.0±20%	166.6	200	3.5	3
SPI130-60-121M-A	120.0±20%	195.8	235	3.2	2
SPI130-60-151M-A	150.0±20%	291.6	350	2.7	1.5

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)

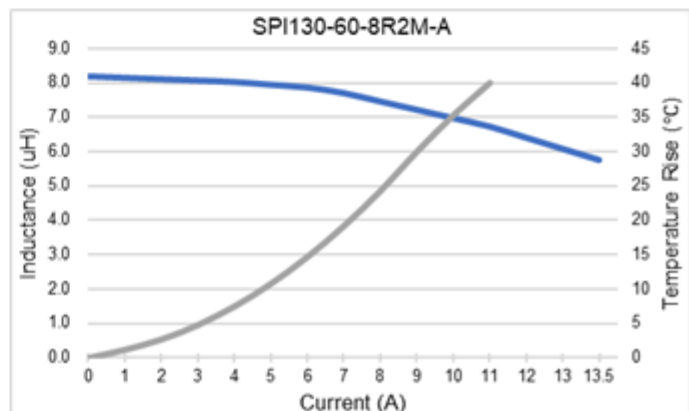
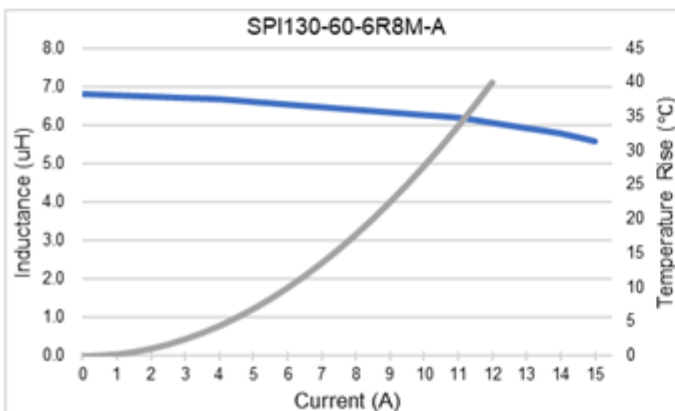
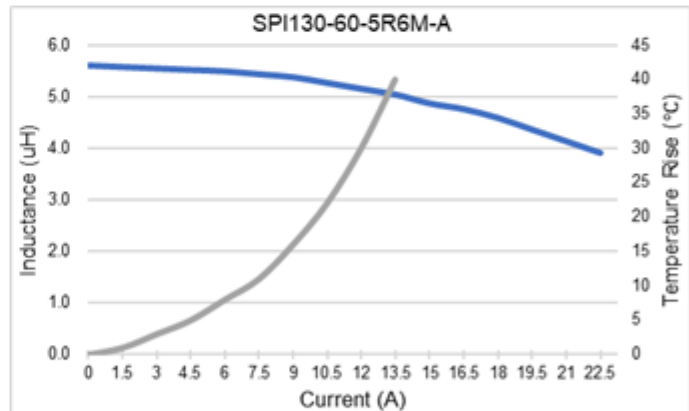
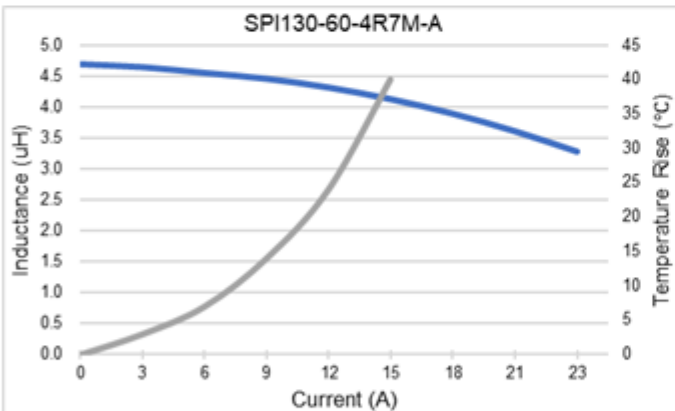
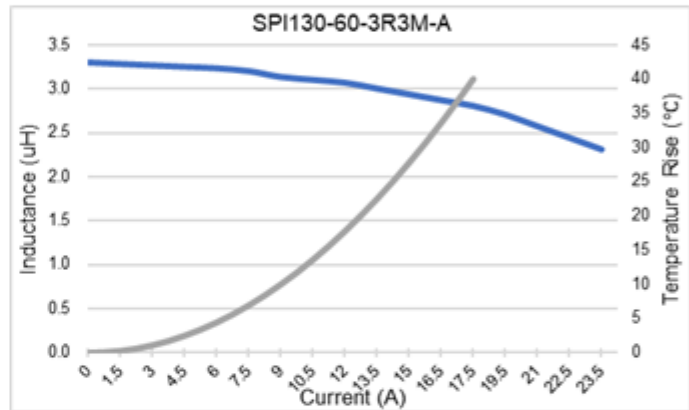
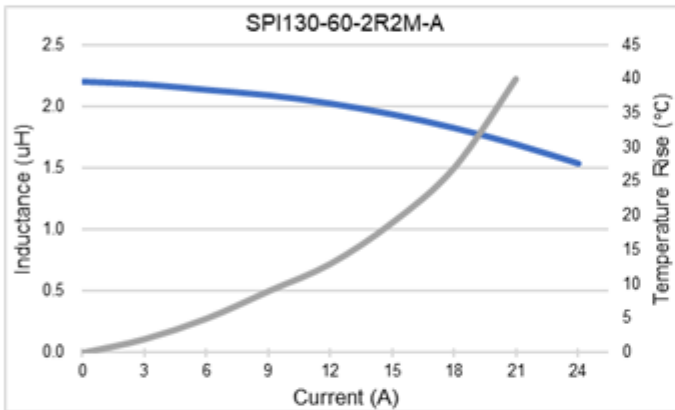
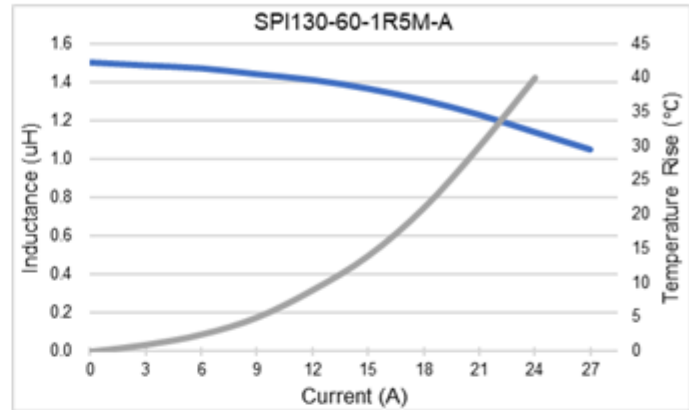
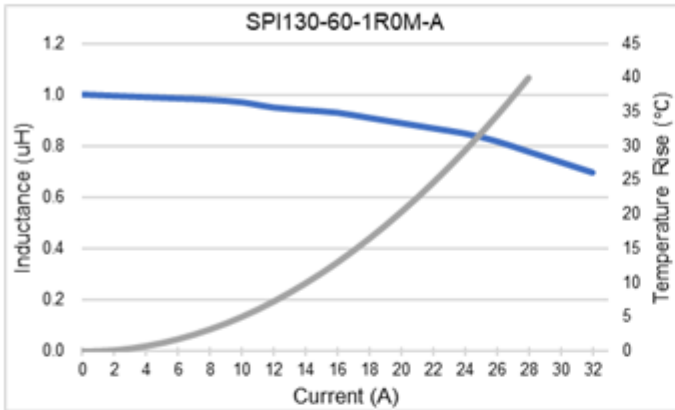
- * Reel : 600
- * Box : 2,400



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Performance Graph

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

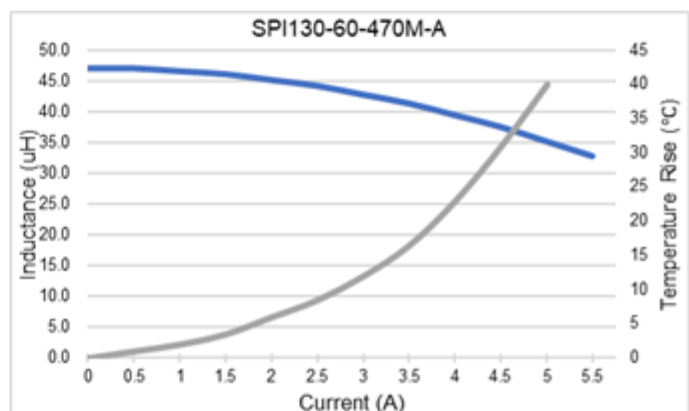
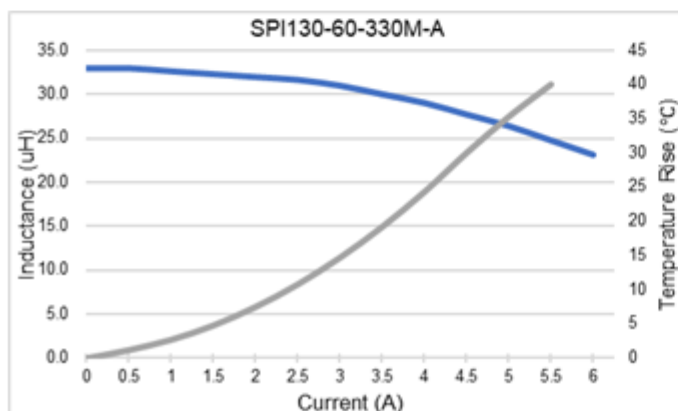
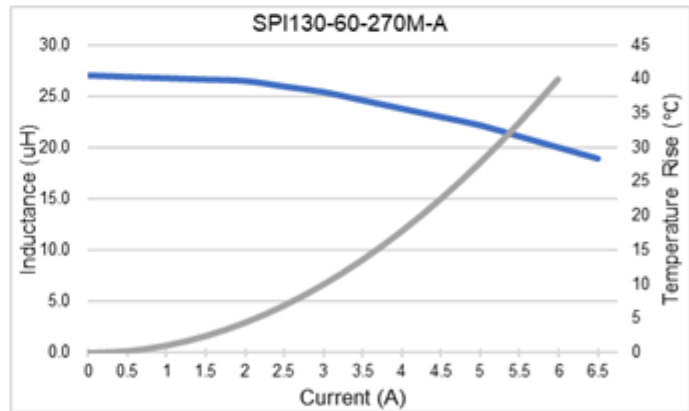
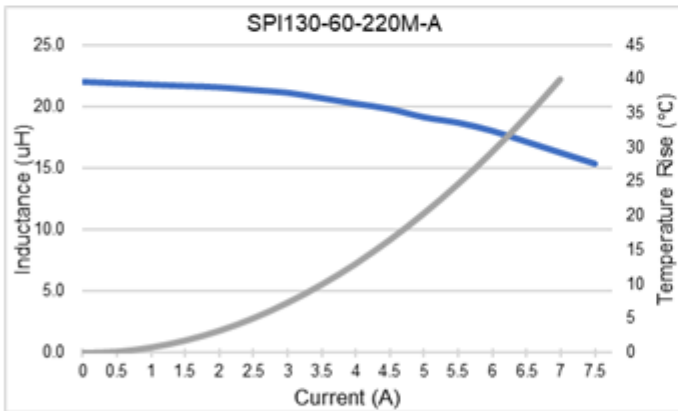
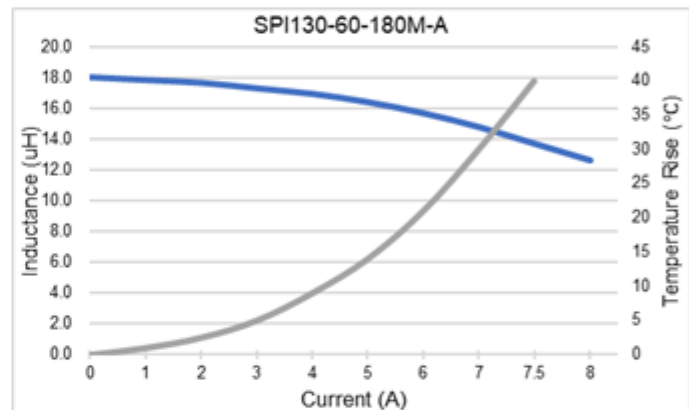
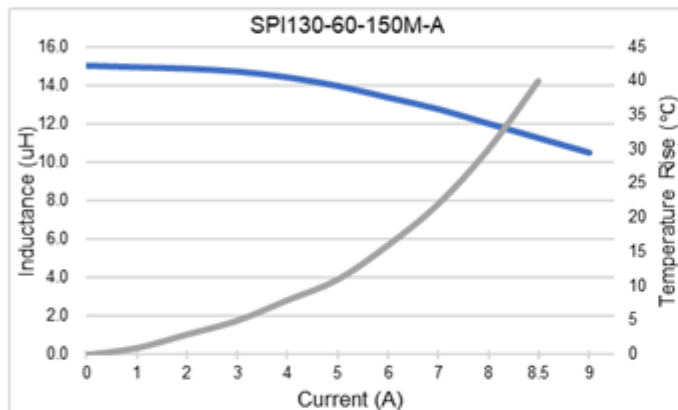
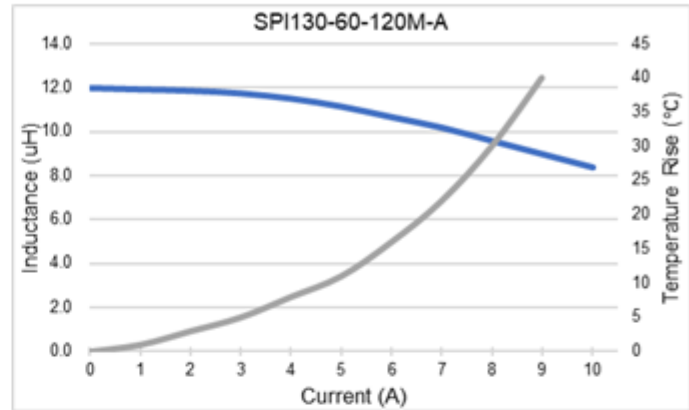
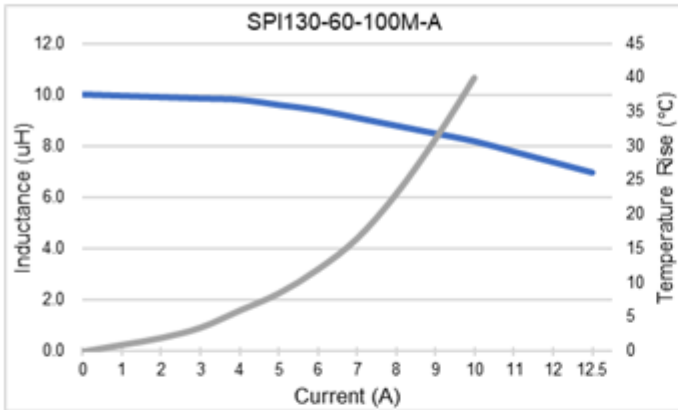




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