



SPI100-50-SERIES-A



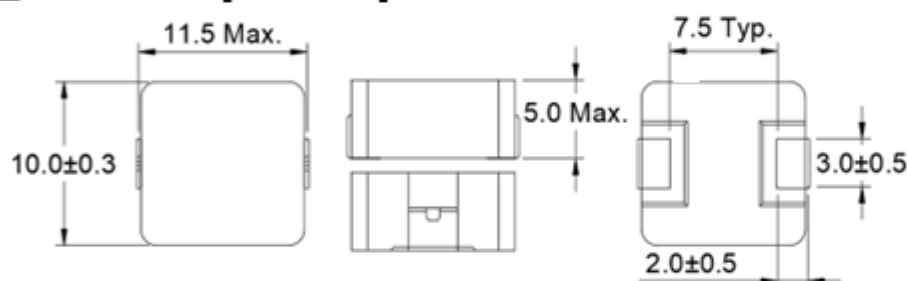
Applications

- 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

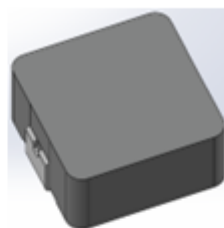
Environmental data

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

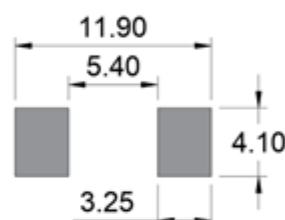
Dimensions [Unit : mm]



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.
SPI100-50-R22M-A	0.22 ± 20%	0.6	0.8	65	37
SPI100-50-1R0M-A	1.0 ± 20%	2.5	3	30	23
SPI100-50-1R5M-A	1.5 ± 20%	3.1	3.8	25	21
SPI100-50-2R2M-A	2.2 ± 20%	5	6	19	15
SPI100-50-3R3M-A	3.3 ± 20%	8.3	10	16	13
SPI100-50-4R7M-A	4.7 ± 20%	11.6	14	15	11
SPI100-50-5R6M-A	5.6 ± 20%	14.1	17	14	9.5
SPI100-50-6R8M-A	6.8 ± 20%	15.4	18.5	14	9
SPI100-50-100M-A	10.0 ± 20%	23.3	28	10	8
SPI100-50-150M-A	15.0 ± 20%	35	42	7.5	6.5
SPI100-50-220M-A	22.0 ± 20%	41.6	50	6	5.5
SPI100-50-330M-A	33.0 ± 20%	71.6	86	5.2	4.8
SPI100-50-470M-A	47.0 ± 20%	105.8	127	4.5	3.7
SPI100-50-101M-A	100.0 ± 20%	241.6	290	2.8	2.1

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)

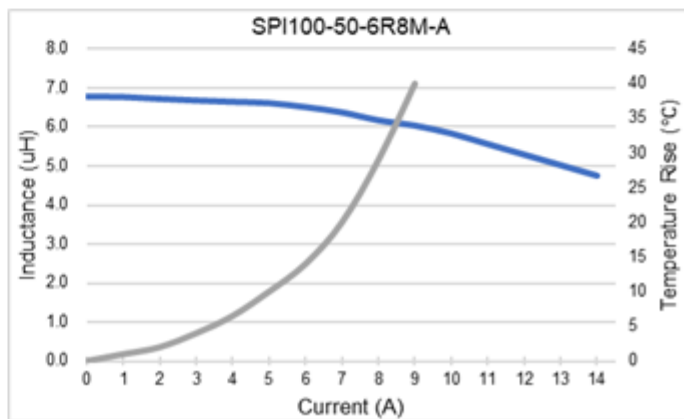
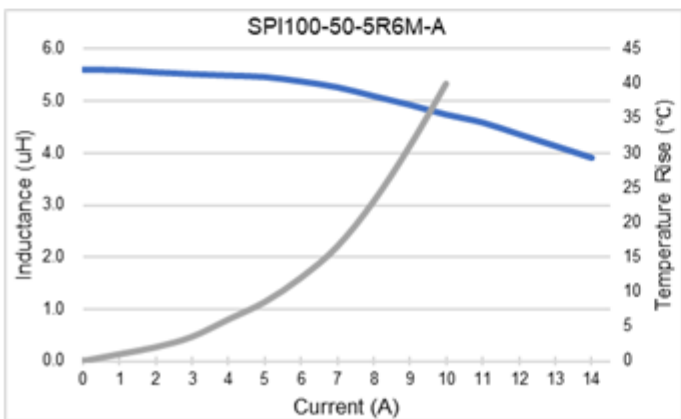
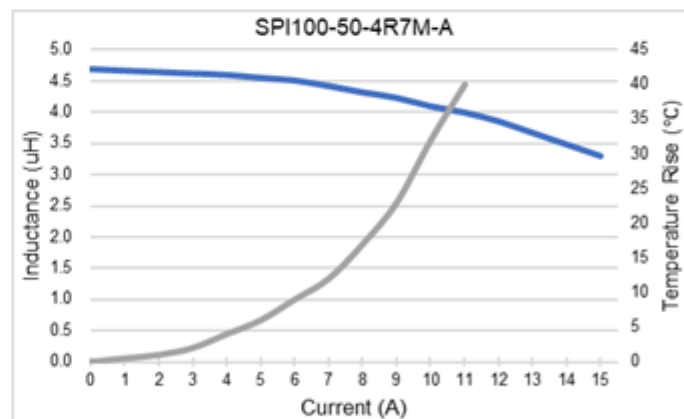
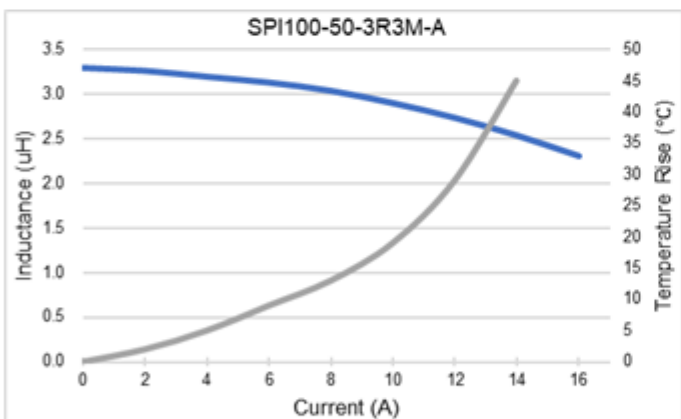
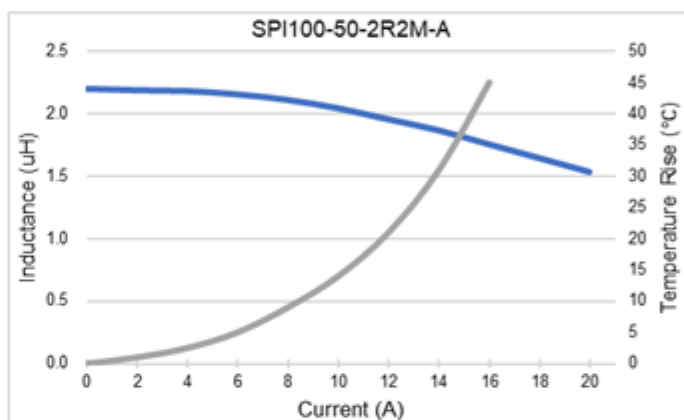
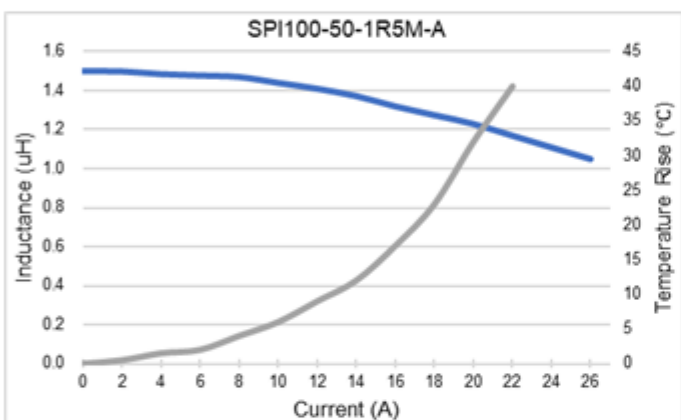
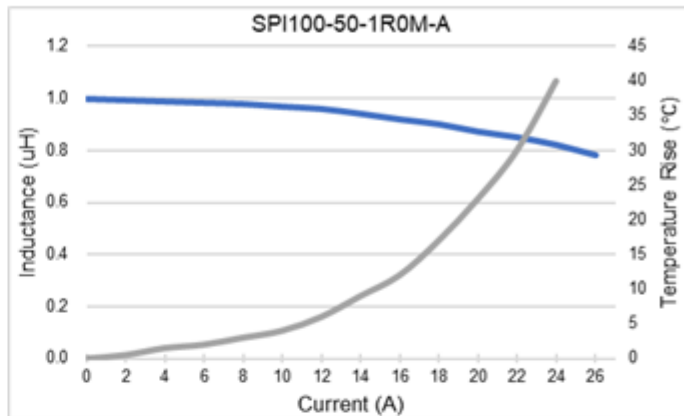
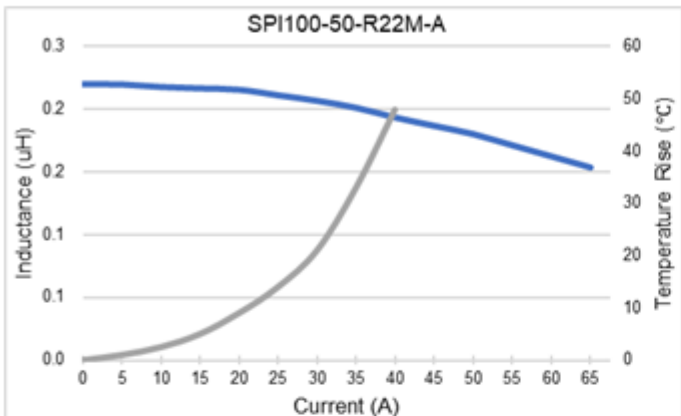
- * Reel : 600
- * Box : 2,400



SPI100-50-SERIES-A

Performance Graph

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





SPI100-50-SERIES-A

Performance Graph

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

