



SPI070-40-SERIES-A



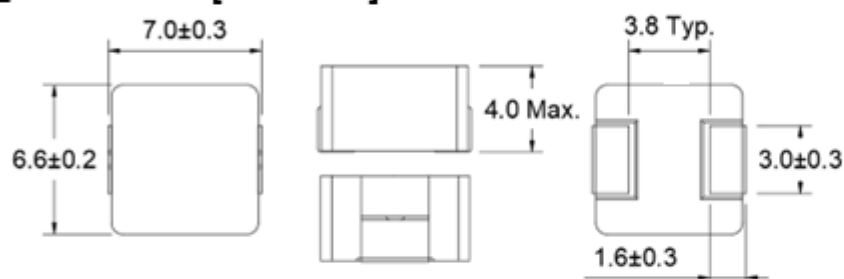
Applications

- 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

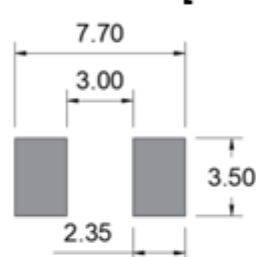
Dimensions [Unit : mm]



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.
SPI070-40-R68M-A	0.68 ± 20%	4	4.8	19	17
SPI070-40-1R0M-A	1.0 ± 20%	5.5	6.6	16	13.5
SPI070-40-1R5M-A	1.5 ± 20%	8.3	10	12.5	12.4
SPI070-40-2R2M-A	2.2 ± 20%	11.6	14	11	10
SPI070-40-3R3M-A	3.3 ± 20%	16.6	20	9.5	8.5
SPI070-40-4R7M-A	4.7 ± 20%	25	30	9	6.5
SPI070-40-6R8M-A	6.8 ± 20%	37.5	45	6.5	5.5
SPI070-40-8R2M-A	8.2 ± 20%	45.8	55	6	5.2
SPI070-40-100M-A	10.0 ± 20%	54.1	65	6	4.8
SPI070-40-150M-A	15.0 ± 20%	79.1	95	4.5	3.7
SPI070-40-220M-A	22.0 ± 20%	104.1	125	4	3.3
SPI070-40-330M-A	33.0 ± 20%	200	240	3	2.2
SPI070-40-470M-A	47.0 ± 20%	266.6	320	2.5	1.8

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)

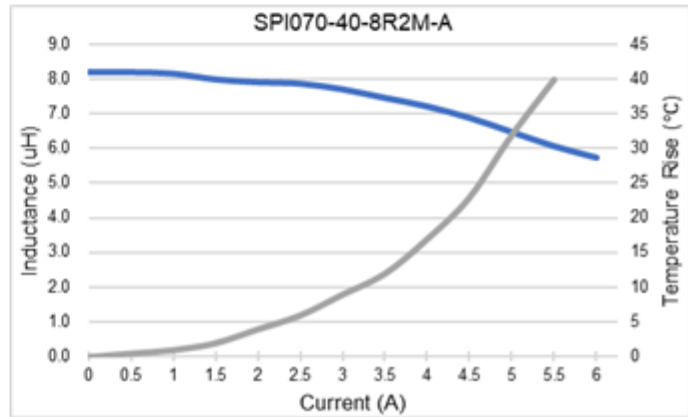
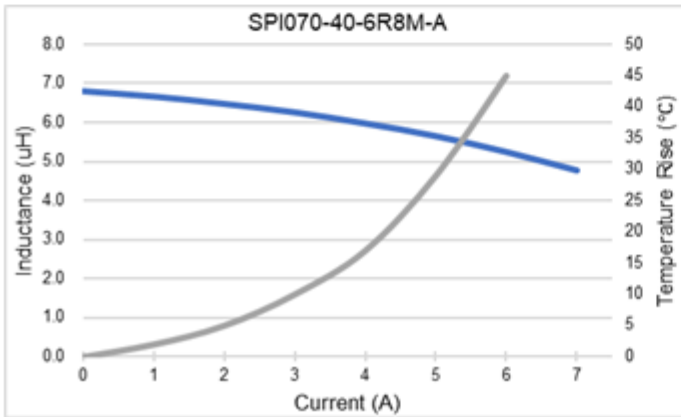
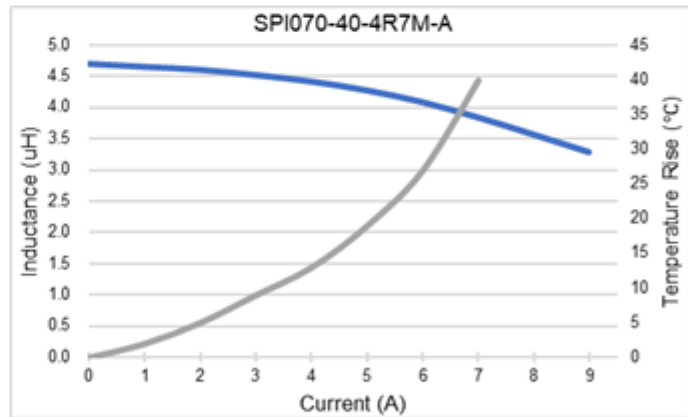
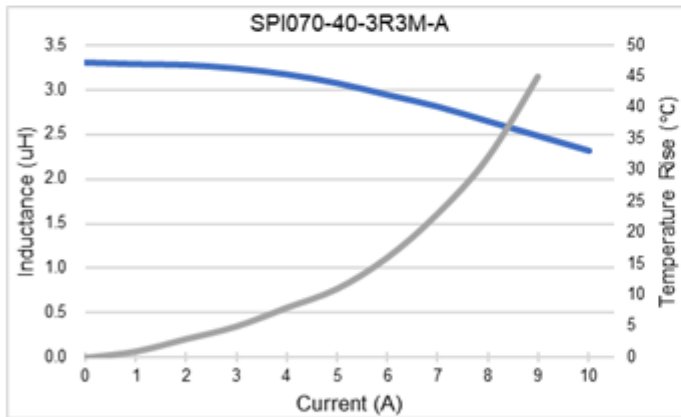
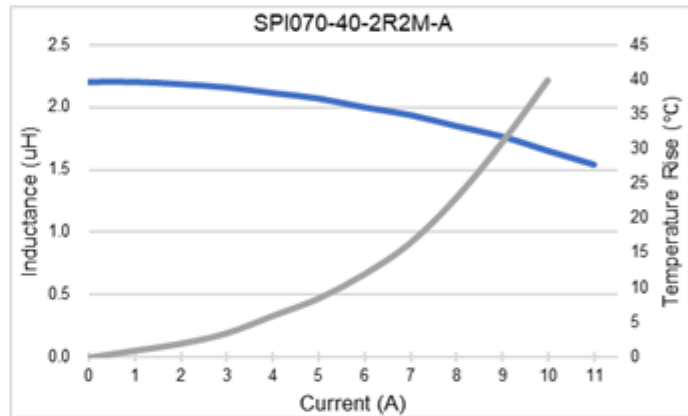
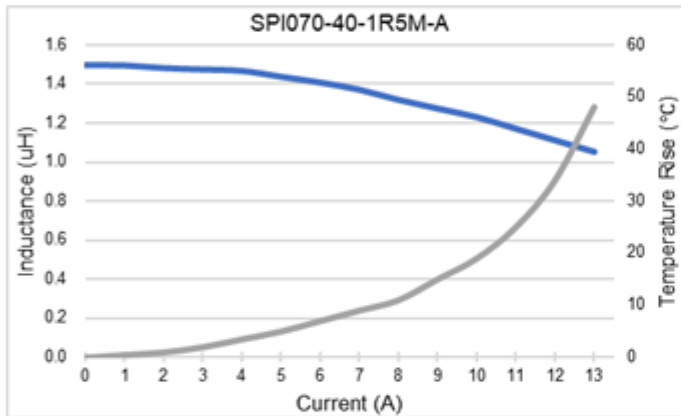
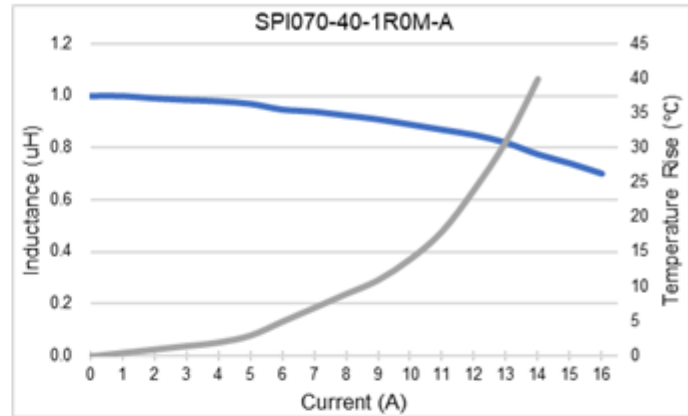
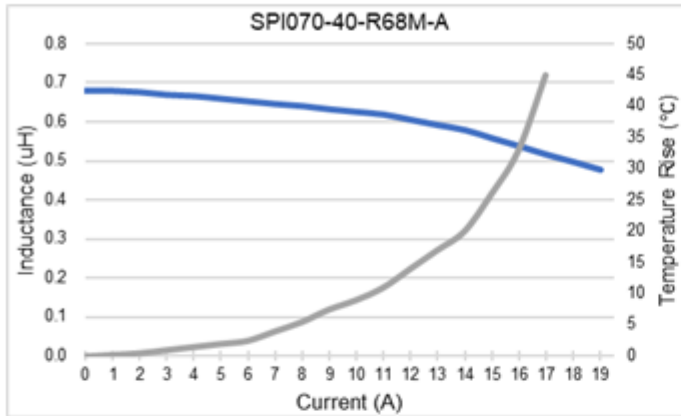
- * Reel : 1,000
- * Box : 5,000



SPI070-40-SERIES-A

Performance Graph

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





SPI070-40-SERIES-A

Performance Graph

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

