



SPI070-24-SERIES-A

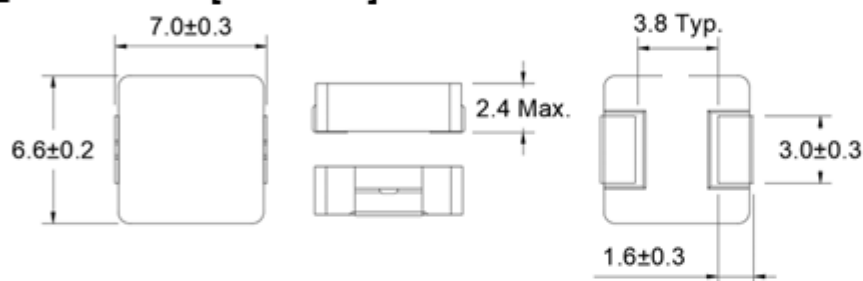
Applications

- 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

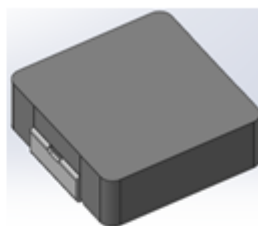
Environmental data

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

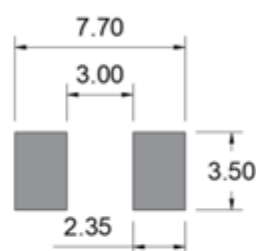
Dimensions [Unit : mm]



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.
SPI070-24-R22M-A	0.22 ± 20%	2.5	3	34	21
SPI070-24-R33M-A	0.33 ± 20%	3.4	4.1	24.5	18
SPI070-24-R47M-A	0.47 ± 20%	4.2	5.1	22	15
SPI070-24-R56M-A	0.56 ± 20%	5.4	6.5	17	13
SPI070-24-R68M-A	0.68 ± 20%	5.8	7	16	12
SPI070-24-1R0M-A	1.0 ± 20%	11.2	13.5	15	9
SPI070-24-1R5M-A	1.5 ± 20%	16.6	20	13.5	8.2
SPI070-24-2R2M-A	2.2 ± 20%	23.3	28	10	7
SPI070-24-3R3M-A	3.3 ± 20%	32.5	39	8	5.5
SPI070-24-4R7M-A	4.7 ± 20%	41.6	50	6.5	5
SPI070-24-6R8M-A	6.8 ± 20%	58.3	70	6	4
SPI070-24-100M-A	10.0 ± 20%	84.1	101	4	3.1
SPI070-24-150M-A	15.0 ± 20%	133.3	160	3.3	2.5
SPI070-24-220M-A	22.0 ± 20%	191.6	230	2.5	2

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)

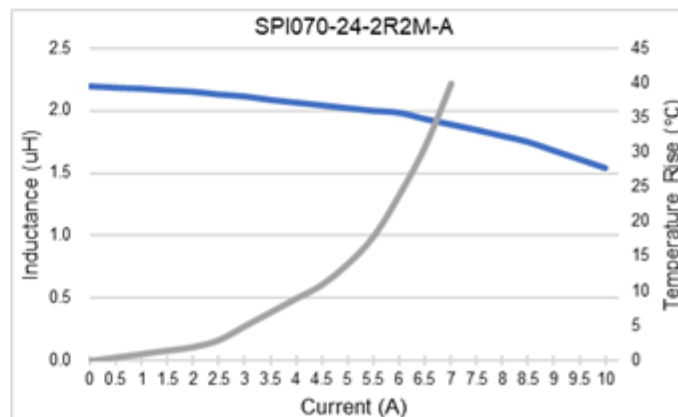
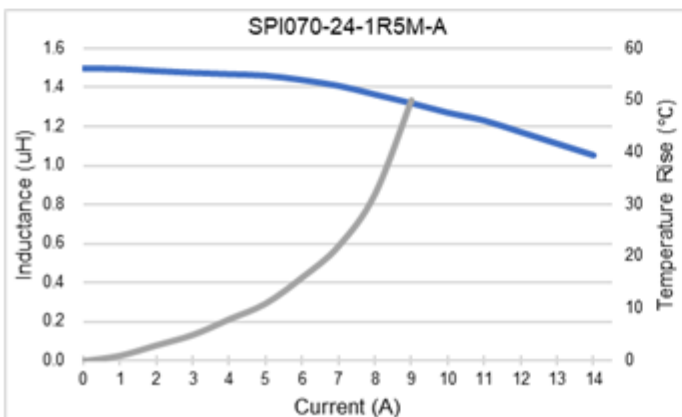
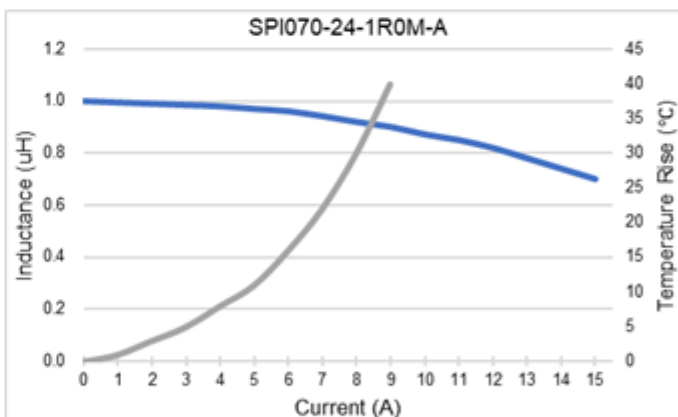
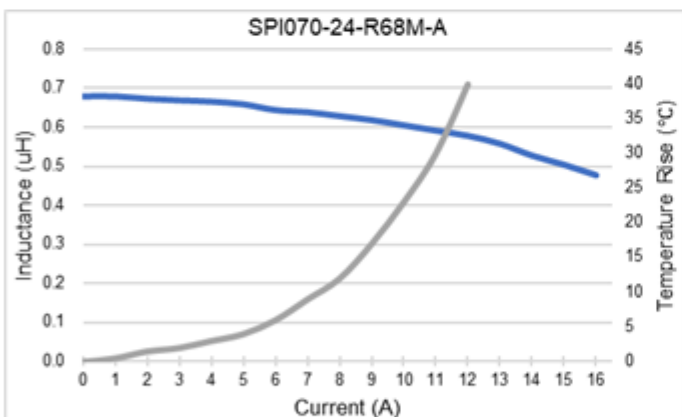
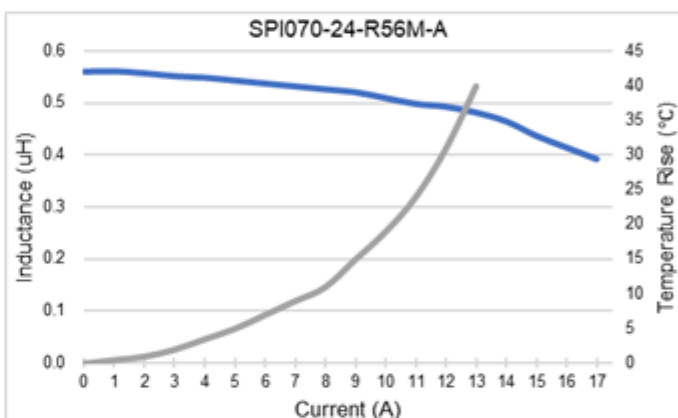
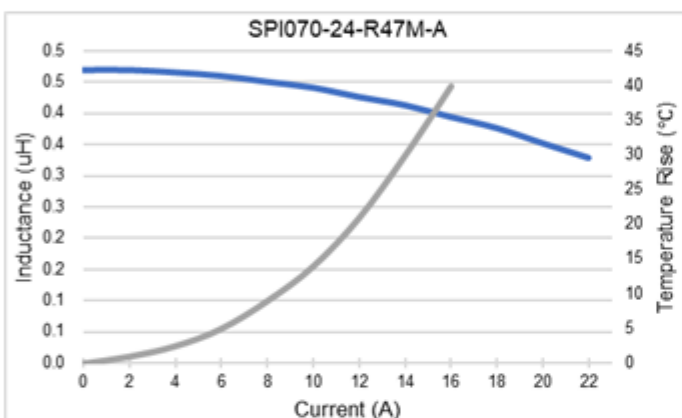
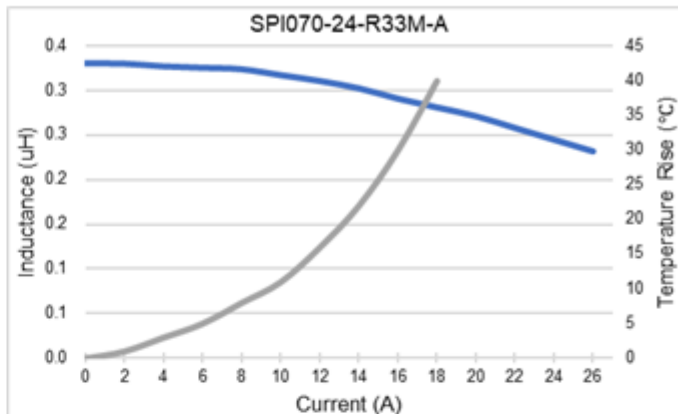
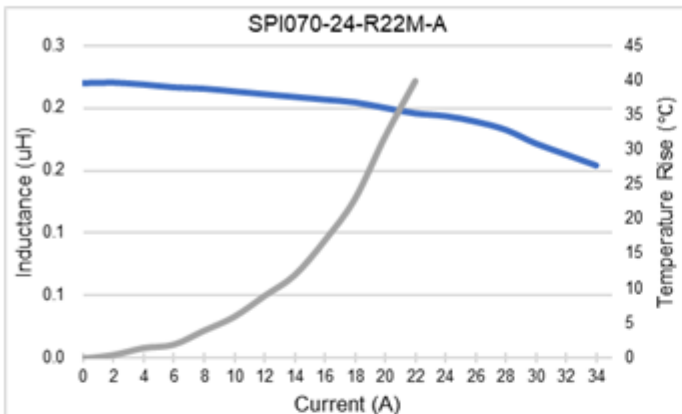
- * Reel : 1,500
- * Box : 7,500



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Performance Graph

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





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

