

## SPI075-54-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

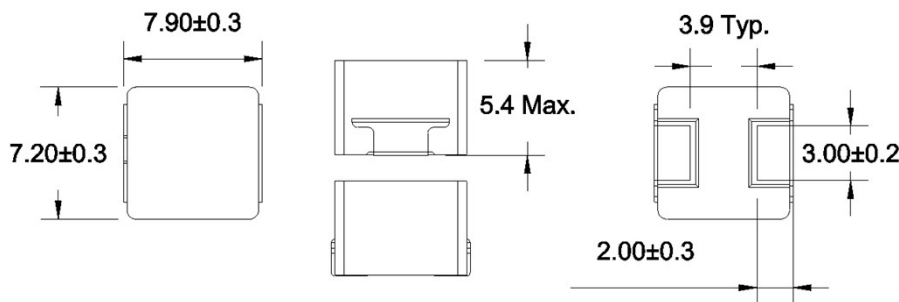
### Picture



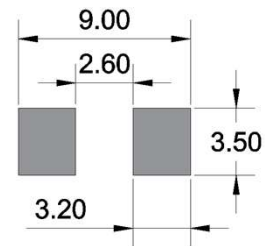
### Environmental data

- 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]



### 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.
SPI075-54-1R5M-A	1.5±20%	6	7.3	16.3	11.4
SPI075-54-2R2M-A	2.2±20%	9.5	11.4	14.8	9.7
SPI075-54-3R3M-A	3.3±20%	12.8	15.4	13.5	8
SPI075-54-4R7M-A	4.7±20%	17.4	20.9	13.1	7
SPI075-54-6R8M-A	6.8±20%	22.2	26.6	10.2	6.1
SPI075-54-8R2M-A	8.2±20%	26.5	31.9	9	5.6
SPI075-54-100M-A	10.0±20%	31.6	38	8	5.2
SPI075-54-150M-A	15.0±20%	55	66	6.9	3.8
SPI075-54-220M-A	22.0±20%	77.9	93.5	6.3	3.3
SPI075-54-330M-A	33.0±20%	106.3	127.6	4.9	3.2
SPI075-54-470M-A	47.0±20%	143	171.6	4.1	2.4
SPI075-54-560M-A	56.0±20%	174.4	209.3	3.3	2.2
SPI075-54-680M-A	68.0±20%	212.5	255	2.8	2
SPI075-54-101M-A	100.0±20%	290	348	2.4	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

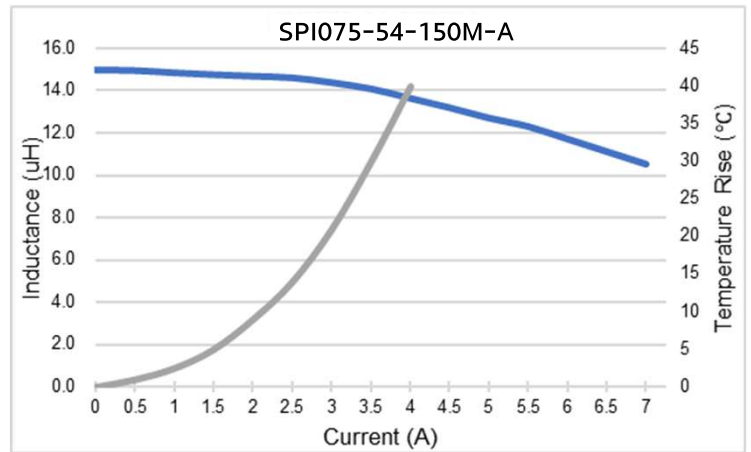
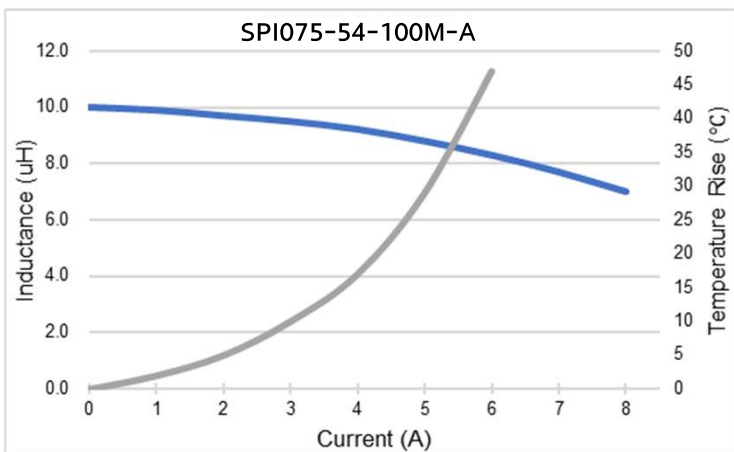
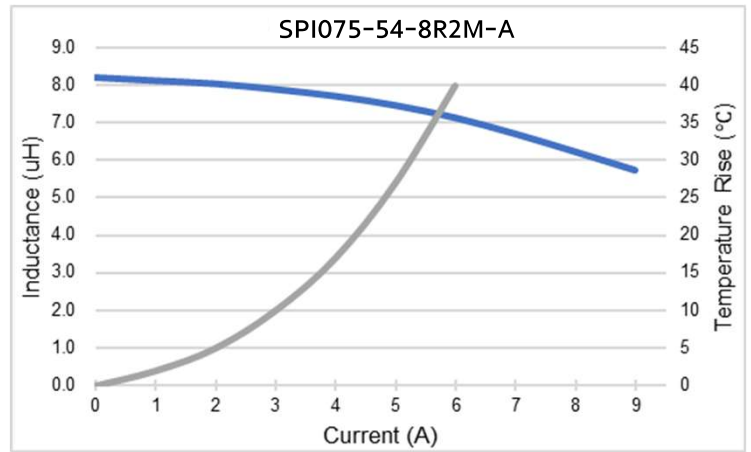
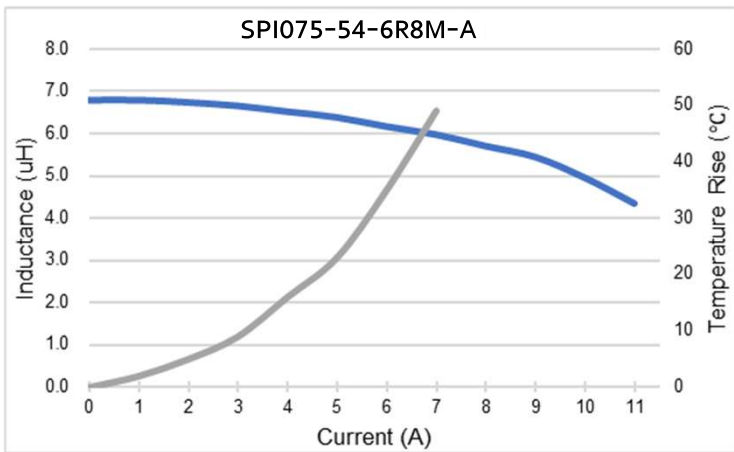
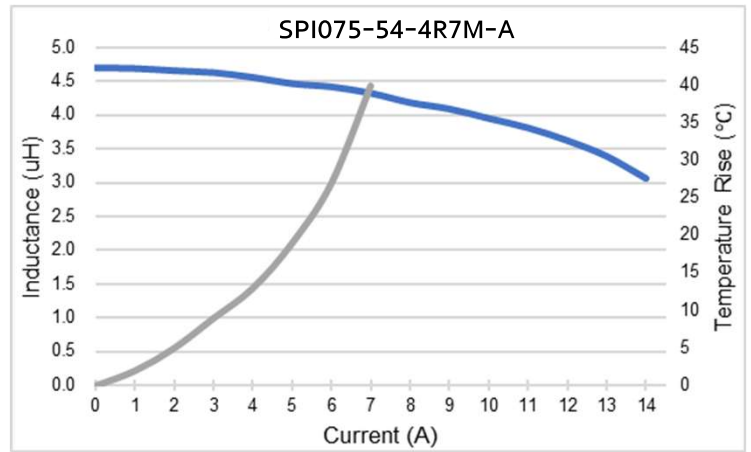
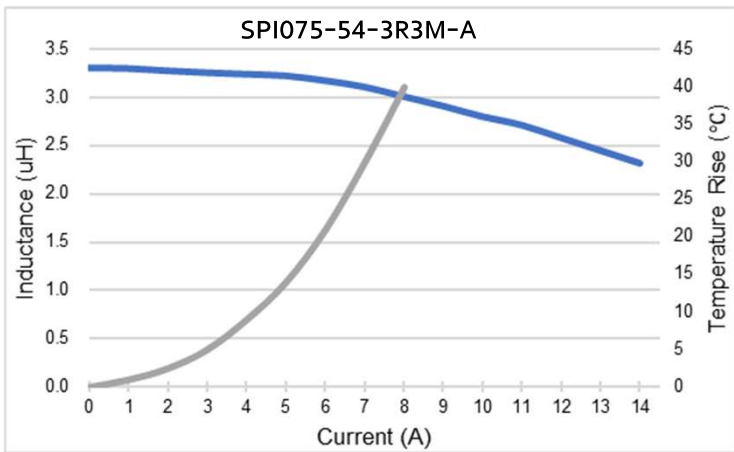
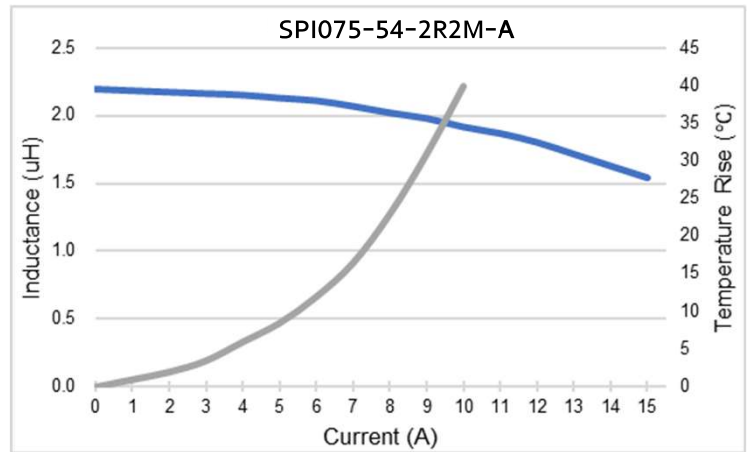
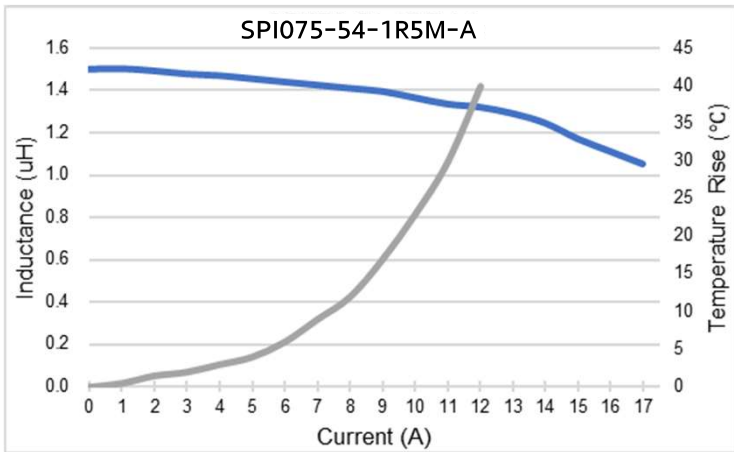
### Packing Q'ty (PCS)

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

## SPI075-54-SERIES-A

### Performance Graph

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



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

