



## SPI080-40-SERIES-A



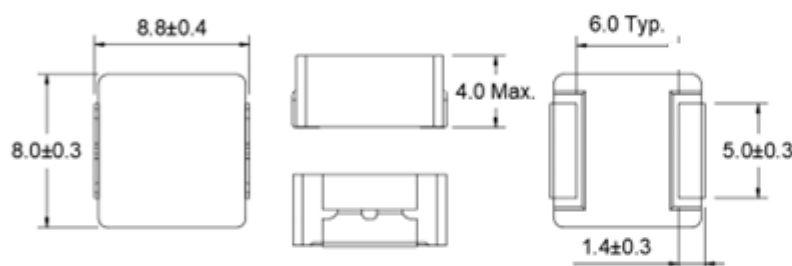
### Applications

- 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

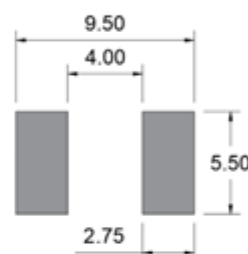
### Dimensions [Unit : mm]



### Picture



### Land Pattern [Unit : mm]



### Specifications

Part No.	L0 Inductance(uH) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a	Heating Rating Current DC(A) b
		TYP.	MAX.	TYP.	TYP.
SPI080-40-R22M-A	0.22 ± 20%	1.5	1.8	60	36
SPI080-40-R33M-A	0.33 ± 20%	2	2.4	45	30
SPI080-40-R47M-A	0.47 ± 20%	2.3	2.8	42	28
SPI080-40-R56M-A	0.56 ± 20%	2.6	3.2	26	24
SPI080-40-R68M-A	0.68 ± 20%	3.15	3.8	24	23
SPI080-40-R82M-A	0.82 ± 20%	3.65	4.4	21	21
SPI080-40-1R0M-A	1.0 ± 20%	3.85	4.62	19	19
SPI080-40-1R5M-A	1.5 ± 20%	6.35	7.6	17	17
SPI080-40-1R8M-A	1.8 ± 20%	9.1	11	15	15
SPI080-40-2R2M-A	2.2 ± 20%	9.5	11.4	14	14
SPI080-40-3R3M-A	3.3 ± 20%	12.5	15	12.5	12
SPI080-40-4R7M-A	4.7 ± 20%	22	26.5	11.5	9.5
SPI080-40-5R6M-A	5.6 ± 20%	25	30	11	9
SPI080-40-6R8M-A	6.8 ± 20%	30.6	36.8	9	8
SPI080-40-8R2M-A	8.2 ± 20%	38.3	46	8.7	7
SPI080-40-100M-A	10.0 ± 20%	49.1	59	8	6.5
SPI080-40-150M-A	15.0 ± 20%	59.1	71	5.5	5.4
SPI080-40-220M-A	22.0 ± 20%	94.1	113	5	4.8
SPI080-40-330M-A	33.0 ± 20%	130	156	3.5	3.5
SPI080-40-470M-A	47.0 ± 20%	187.5	225	3.1	2.9

### 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)

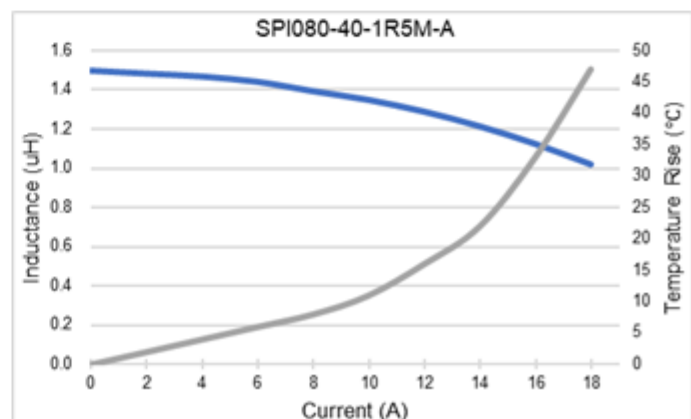
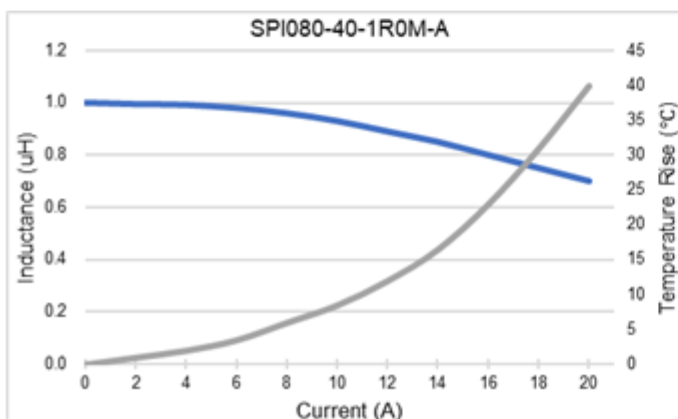
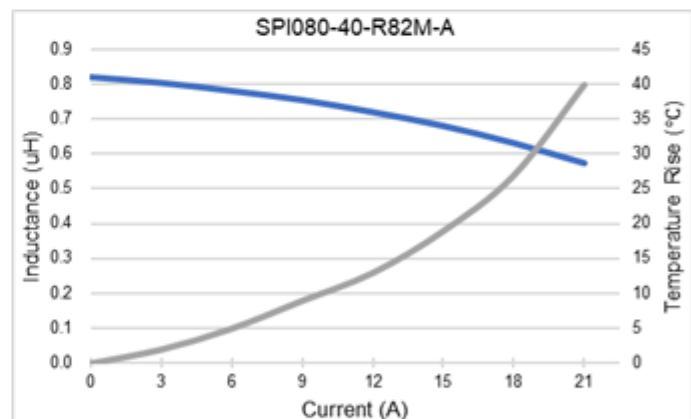
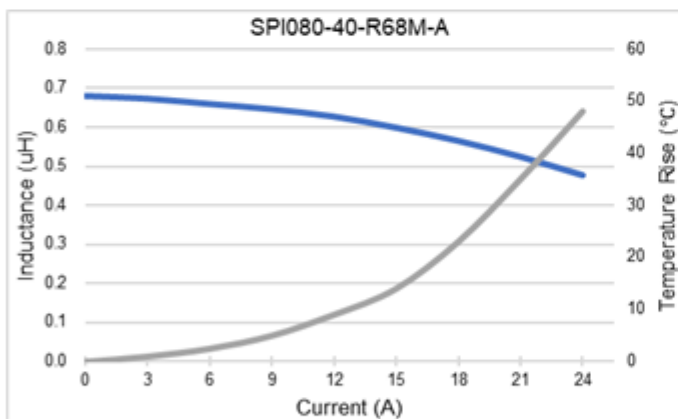
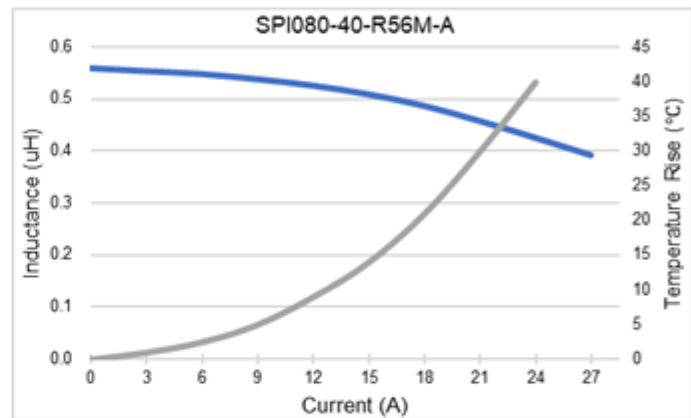
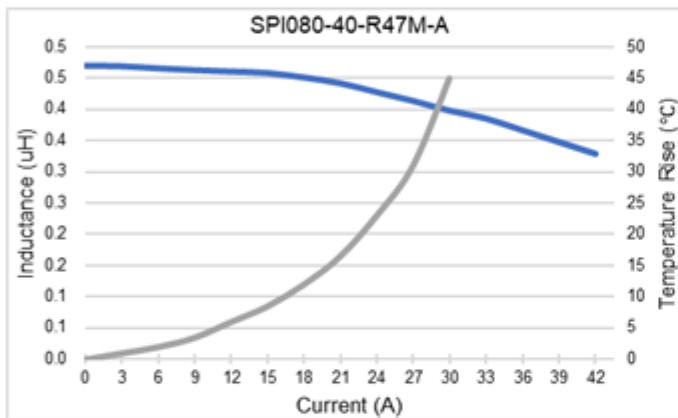
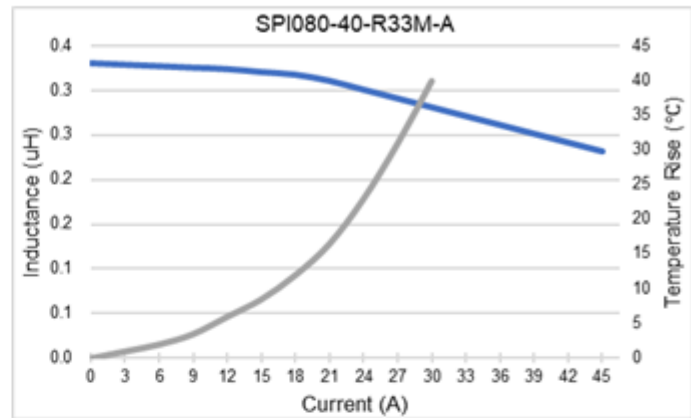
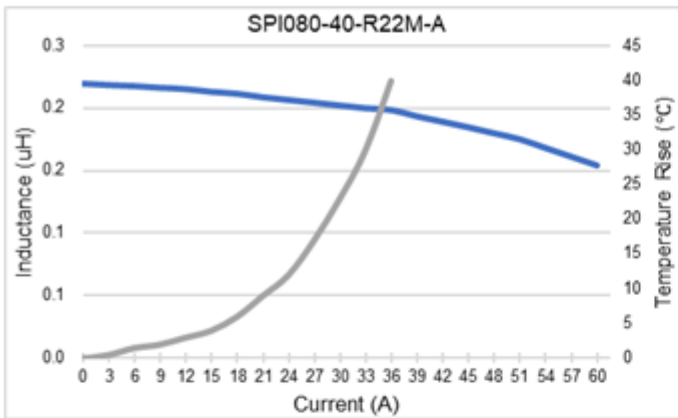
- \* Reel : 800
- \* Box : 3,200



## SPI080-40-SERIES-A

### Performance Graph

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

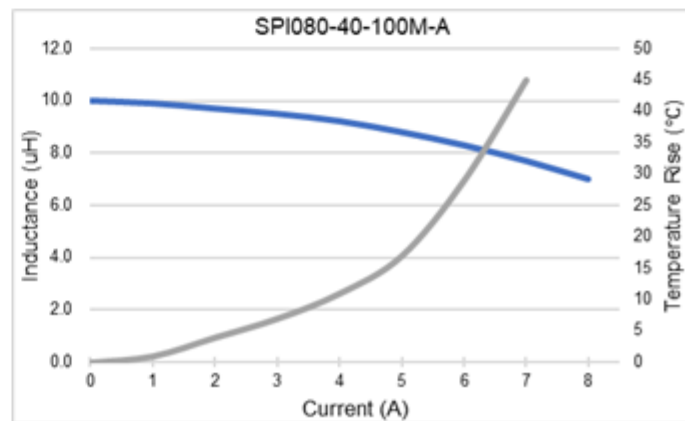
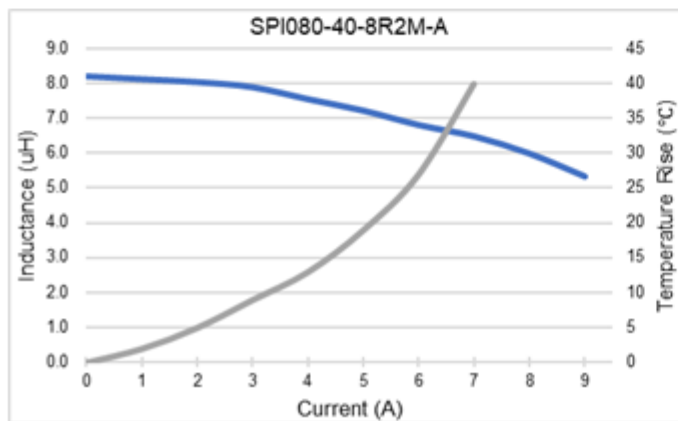
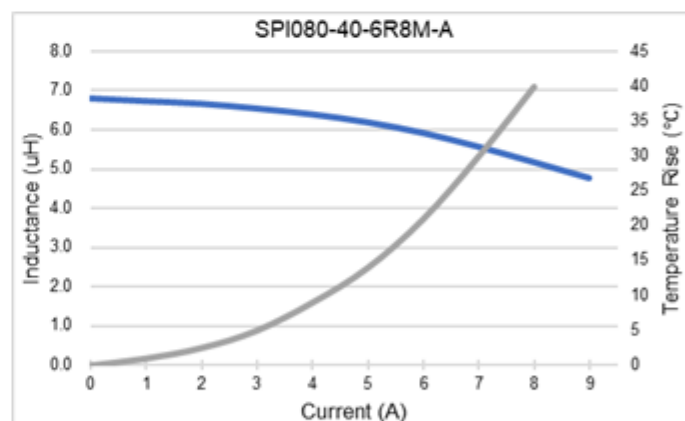
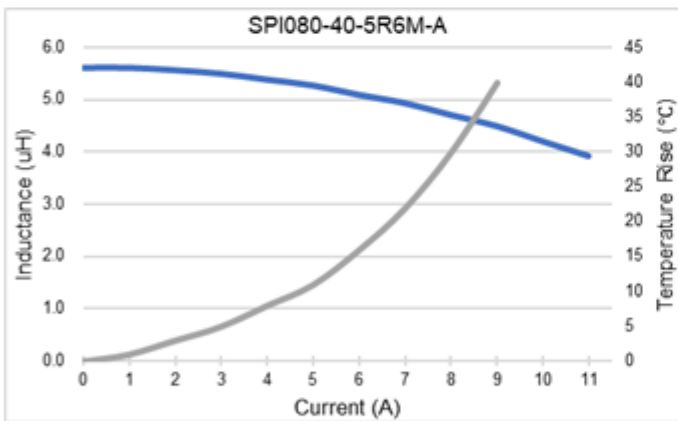
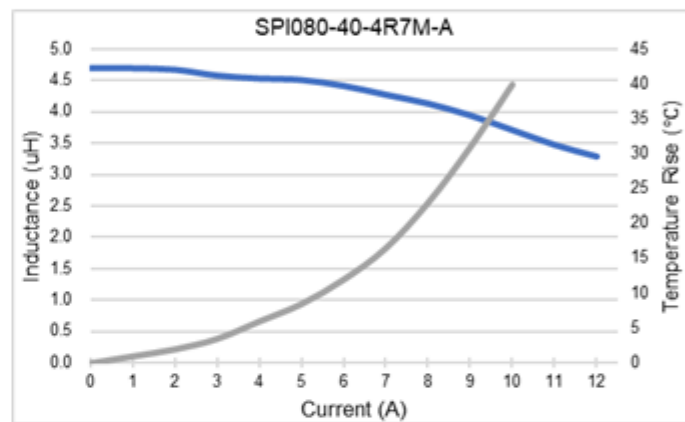
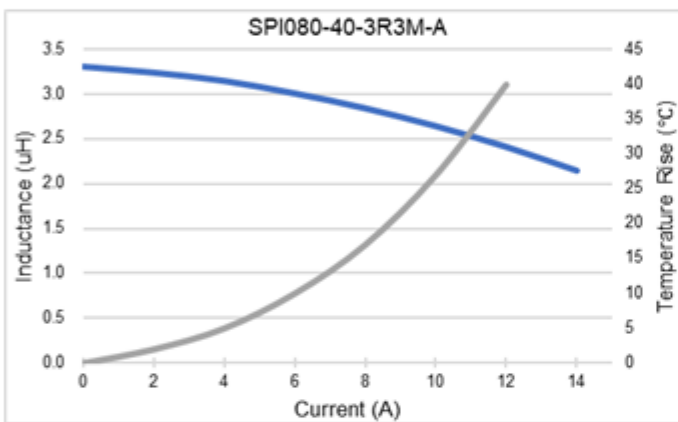
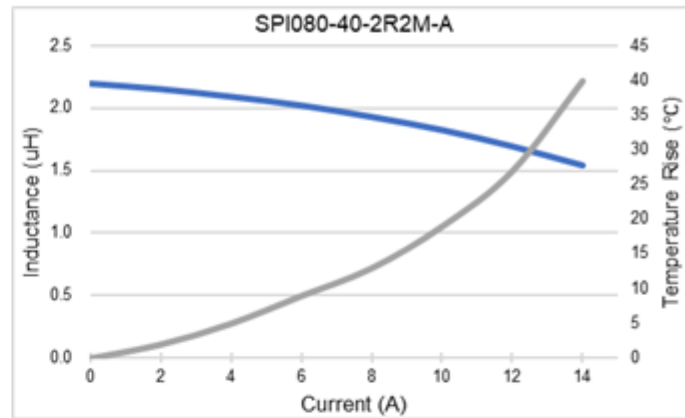
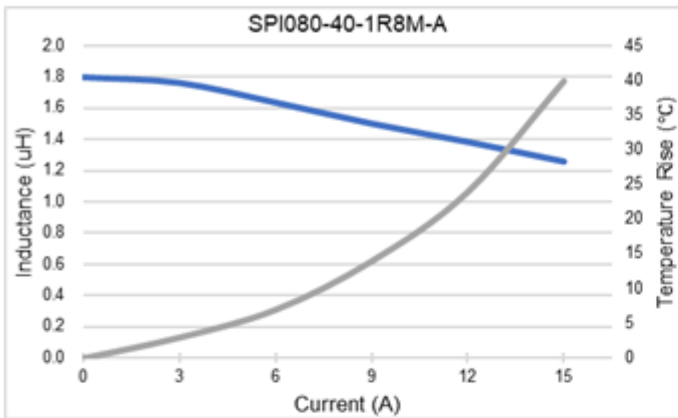




## SPI080-40-SERIES-A

### Performance Graph

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





## SPI080-40-SERIES-A

### Performance Graph

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

