



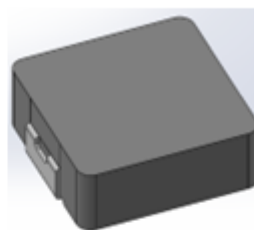
## SPI130-40-SERIES-A



### 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

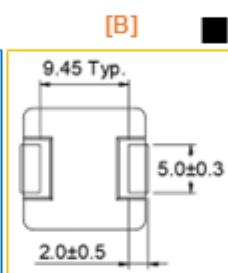
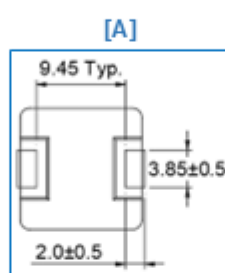
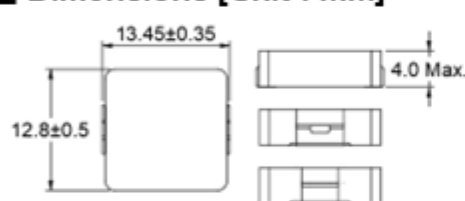
### Picture



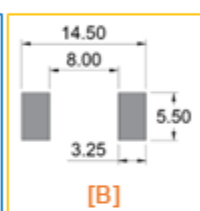
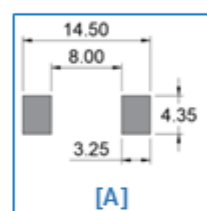
### Environmental data

- 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]



Dimensions & Land Pattern	Part No.
[A]	R22/R47
[B]	R68/R82/1R0/1R5/2R2/3R3/4R7/6R8/100/150/220

### 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.
SPI130-40-R22M-A	0.22 ± 20%	0.75	0.9	50	42
SPI130-40-R47M-A	0.47 ± 20%	1.65	2	48	33
SPI130-40-R68M-A	0.68 ± 20%	2.9	3.5	47	28
SPI130-40-R82M-A	0.82 ± 20%	3.75	4.5	40	28
SPI130-40-1R0M-A	1.0 ± 20%	6.2	7.5	35	24
SPI130-40-1R5M-A	1.5 ± 20%	7.9	9.5	30.5	20
SPI130-40-2R2M-A	2.2 ± 20%	9.5	11.5	26	18
SPI130-40-3R3M-A	3.3 ± 20%	10.8	13	21	15
SPI130-40-4R7M-A	4.7 ± 20%	12	14.5	18	13
SPI130-40-6R8M-A	6.8 ± 20%	16.6	20	14	9
SPI130-40-100M-A	10.0 ± 20%	20.8	25	10	8
SPI130-40-150M-A	15.0 ± 20%	32.5	39	7.5	6.5
SPI130-40-220M-A	22.0 ± 20%	42.5	51	6	4.5

### 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)

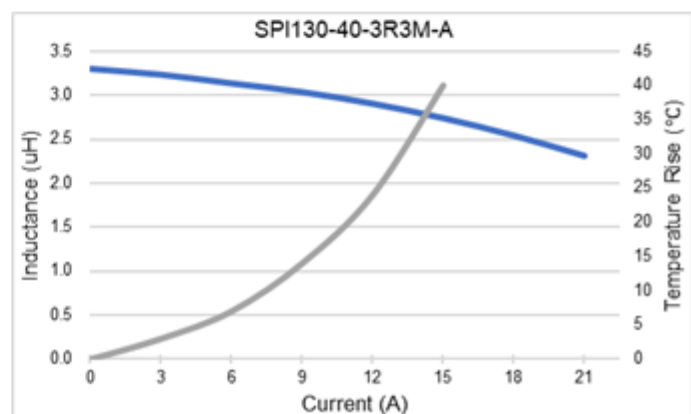
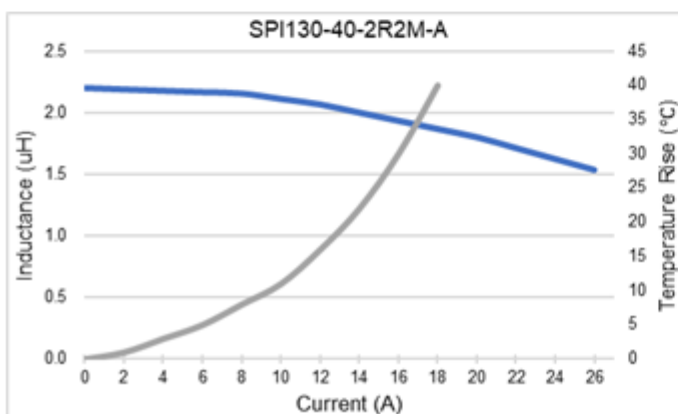
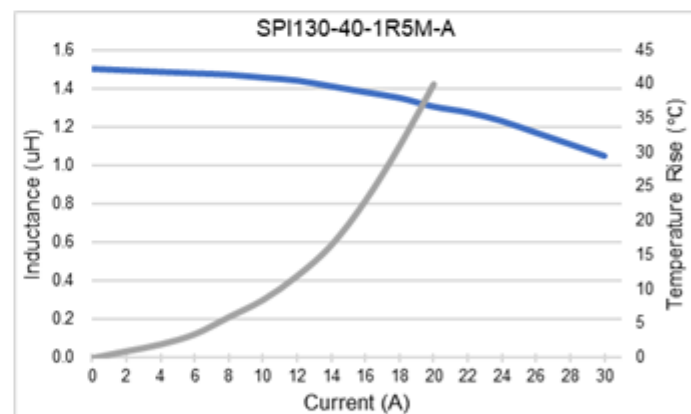
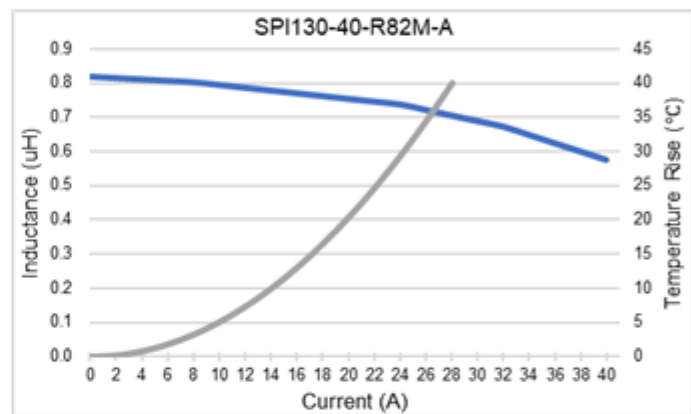
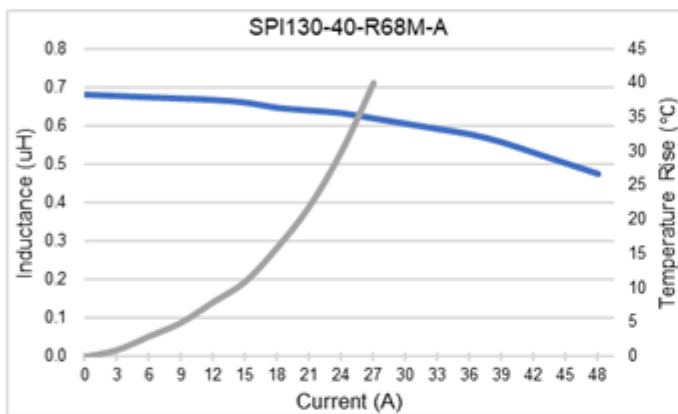
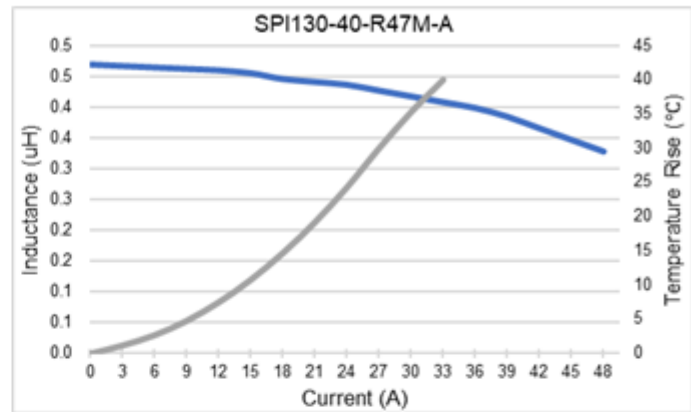
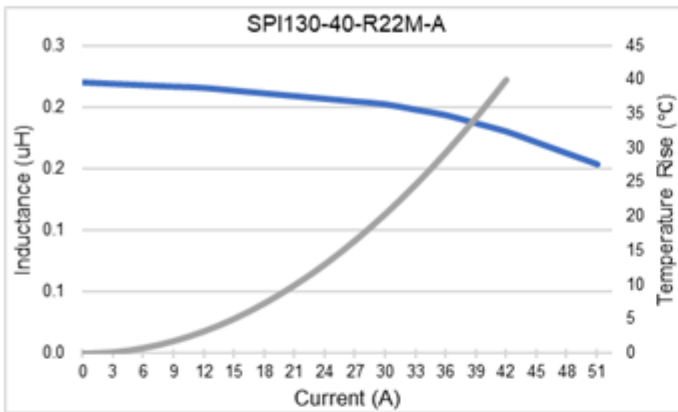
- \* Reel : 600
- \* Box : 2,400



## SPI130-40-SERIES-A

### Performance Graph

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





## SPI130-40-SERIES-A

### Performance Graph

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

