

**SPIF060-30-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]**Specifications**

- R18 ~ 1R2 : 3.0mm Max.
- 1R5 ~ 4R5 : 3.1mm Max.

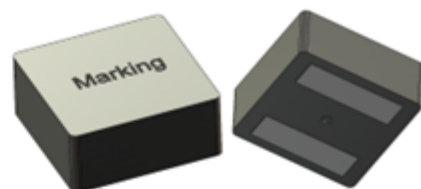
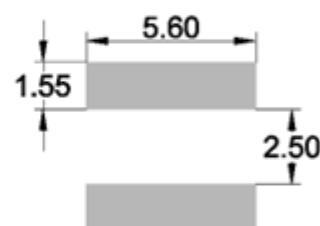
Part No.	L0 Inductance(uH) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	TYP.	TYP.
SPIF060-30-R18M-A	0.18±20%	1.46	1.75	40	32
SPIF060-30-R33M-A	0.33±20%	2.1	2.5	32	25
SPIF060-30-R56M-A	0.56±20%	2.7	3.3	29	22
SPIF060-30-R68M-A	0.68±20%	4.3	5.15	25	20
SPIF060-30-1R0M-A	1.0±20%	5.05	6.05	23	18
SPIF060-30-1R2M-A	1.2±20%	6.2	7.4	22	16
SPIF060-30-1R5M-A	1.5±20%	7.6	9.1	20	15
SPIF060-30-1R8M-A	1.8±20%	8.5	10.2	18.2	14
SPIF060-30-2R2M-A	2.2±20%	10.2	12.2	15.9	10
SPIF060-30-3R3M-A	3.3±20%	17.3	20.8	12.2	8
SPIF060-30-4R5M-A	4.5±20%	21.1	25.3	10	7

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

Picture**Land Pattern [Unit : mm]****Packing Q'ty (PCS)**

* Reel : 1,000

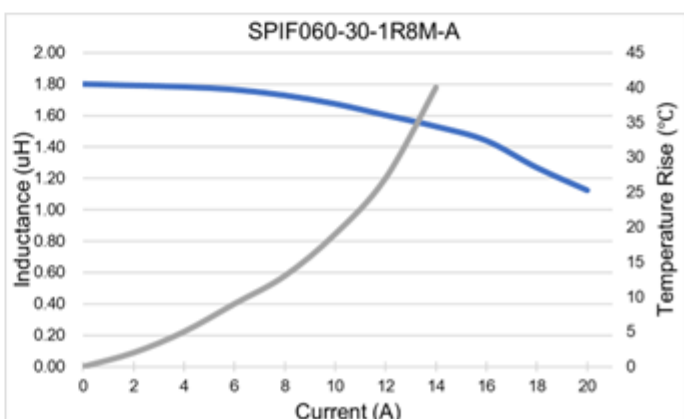
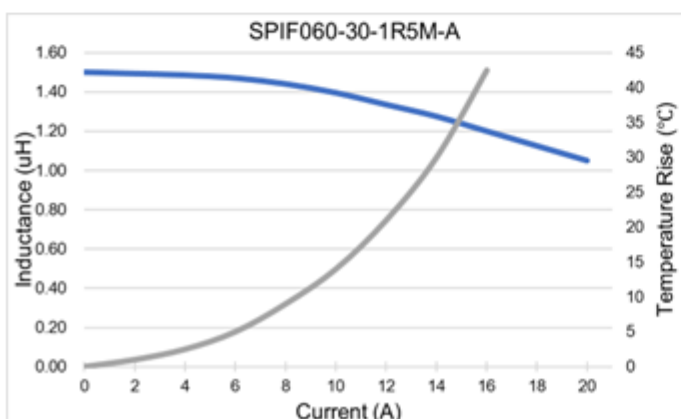
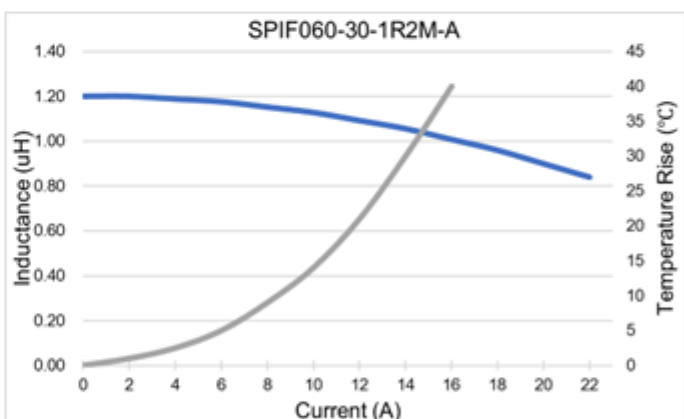
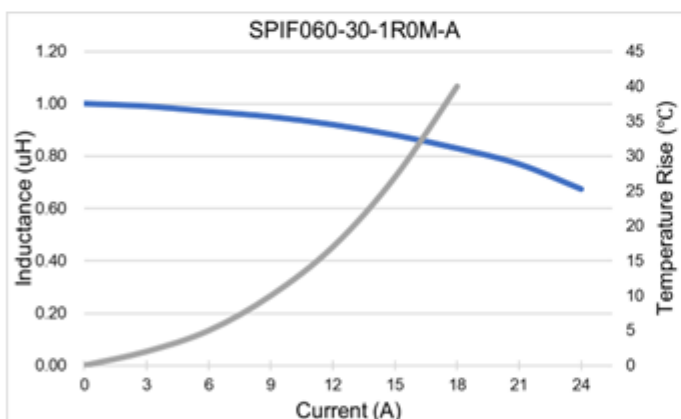
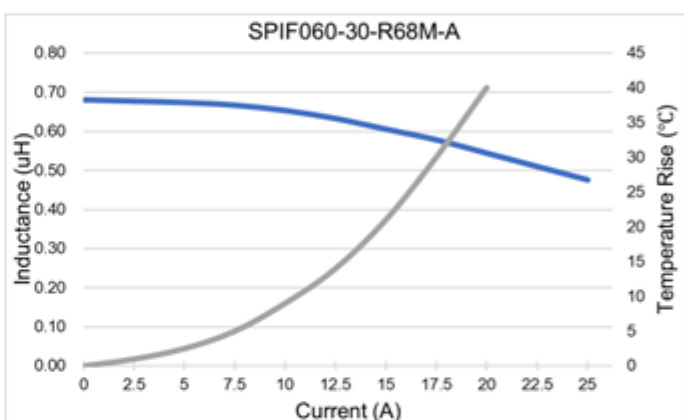
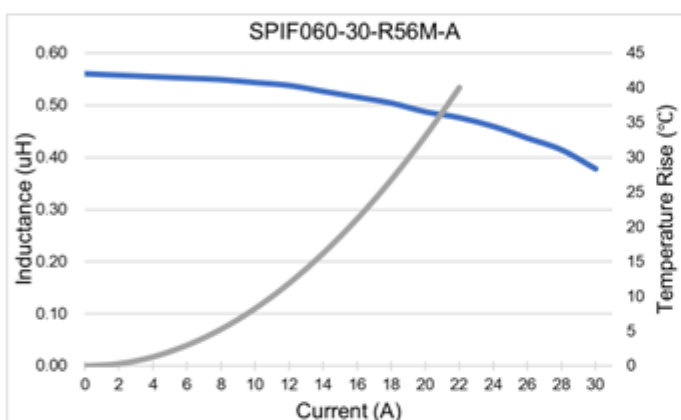
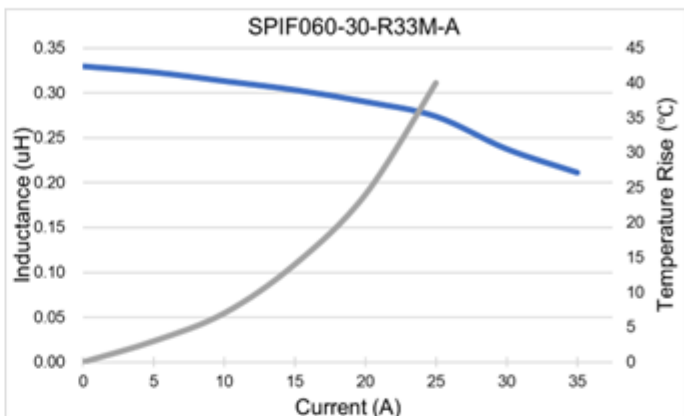
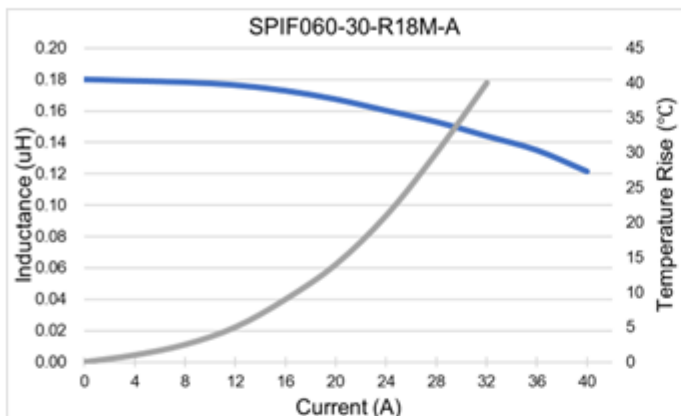
* Box : 5,000



SPIF060-30-SERIES-A

■ Performance Graph

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





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■ Performance Graph

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

