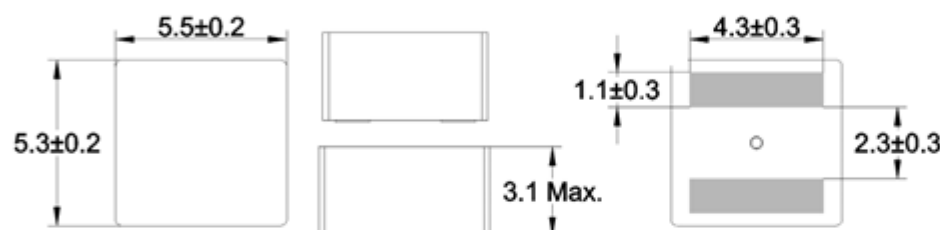
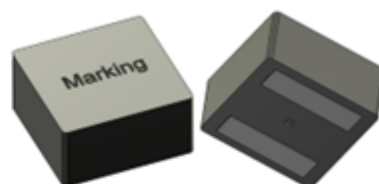
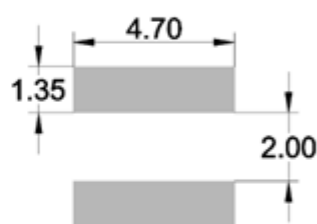


**SPIF050-30-SERIES-A****Applications**

- 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]**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.
SPIF050-30-R16M-A	0.16±20%	1.9	2.3	35	22.2
SPIF050-30-R33M-A	0.33±20%	2.9	3.5	28	19.2
SPIF050-30-R47M-A	0.47±20%	3.4	4.1	26	18.4
SPIF050-30-R56M-A	0.56±20%	3.7	4.5	22.2	17.7
SPIF050-30-R82M-A	0.82±20%	4.8	5.8	19.7	12.9
SPIF050-30-1R0M-A	1.0±20%	6.3	7.6	16.5	12.2
SPIF050-30-1R2M-A	1.2±20%	8.1	9.7	15	11
SPIF050-30-1R5M-A	1.5±20%	9.3	11.2	14	10.5
SPIF050-30-1R8M-A	1.8±20%	10.6	12.7	12.3	10.1
SPIF050-30-2R2M-A	2.2±20%	12.1	14.5	10	9.7
SPIF050-30-3R3M-A	3.3±20%	19.3	23.1	9.5	8.1
SPIF050-30-4R7M-A	4.7±20%	30.3	36.3	8.2	5.9

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 : 2,000

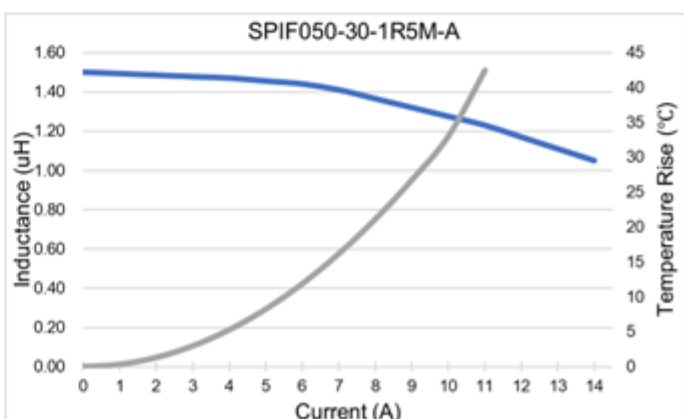
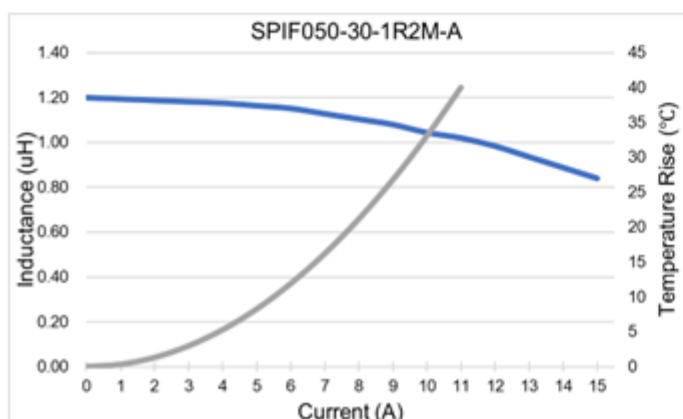
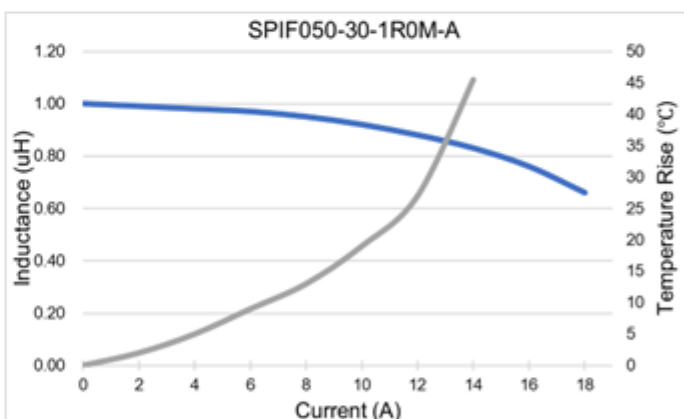
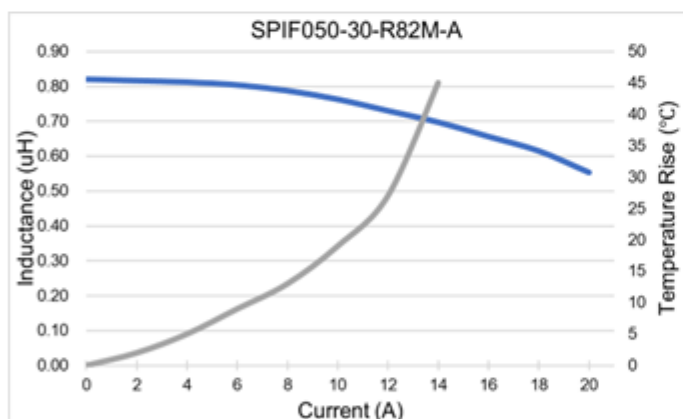
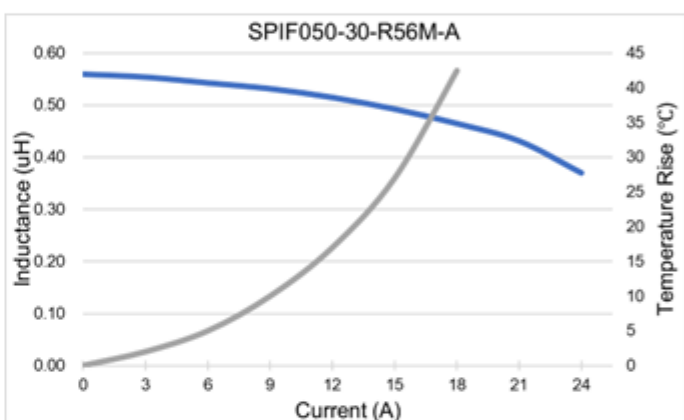
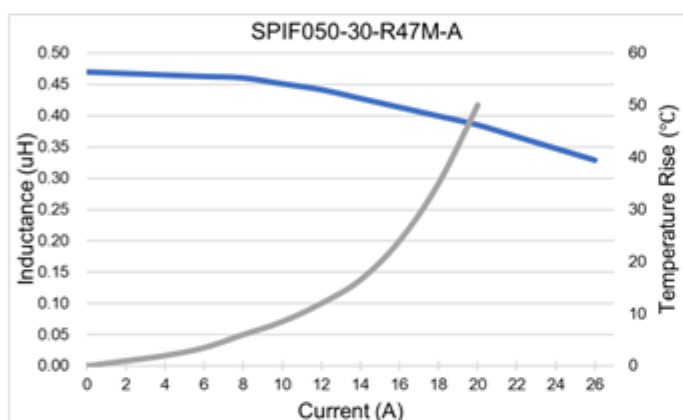
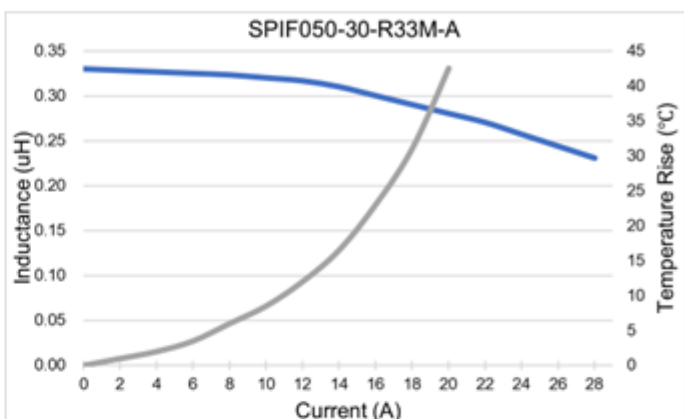
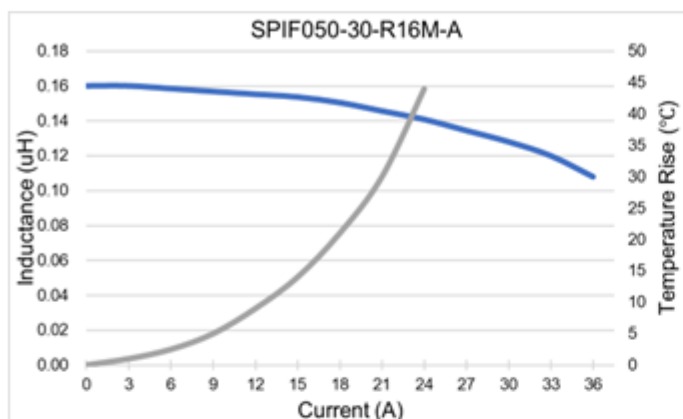
* Box : 10,000



SPIF050-30-SERIES-A

■ Performance Graph

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





SPIF050-30-SERIES-A

■ Performance Graph

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

