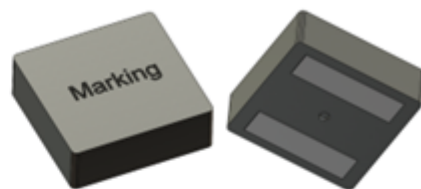
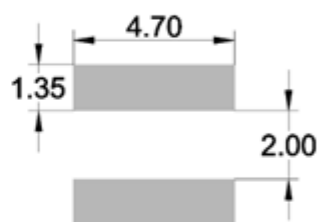


**SPIF050-20-SERIES-A****Applications**

- 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.
SPIF050-20-R16M-A	0.16±20%	3.8	4.6	30	18.8
SPIF050-20-R33M-A	0.33±20%	5.8	7	26	14.4
SPIF050-20-R47M-A	0.47±20%	6.6	8	22	14.1
SPIF050-20-R56M-A	0.56±20%	7.9	9.5	19	13.9
SPIF050-20-R68M-A	0.68±20%	8.5	10.2	16	13.4
SPIF050-20-R80M-A	0.80±20%	9.8	11.8	15.5	13
SPIF050-20-R82M-A	0.82±20%	10.6	12.7	15	12
SPIF050-20-1R0M-A	1.0±20%	11.5	13.8	14.5	10.5
SPIF050-20-1R2M-A	1.2±20%	13.6	16.3	14	9.4
SPIF050-20-1R5M-A	1.5±20%	15.6	18.7	13.3	8.8

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 : 3,000

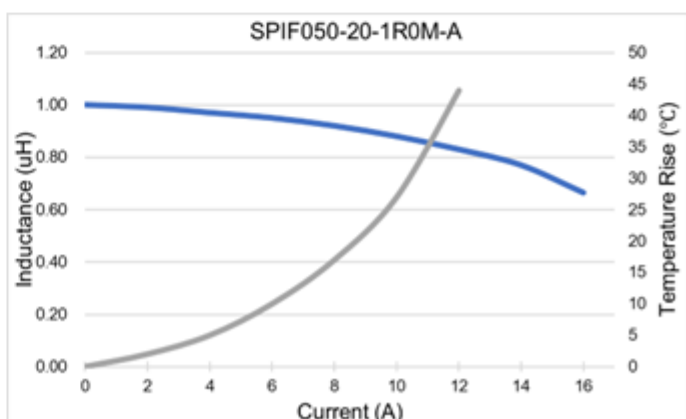
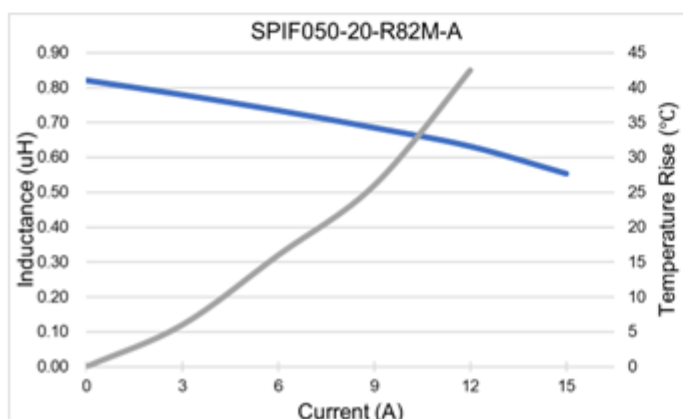
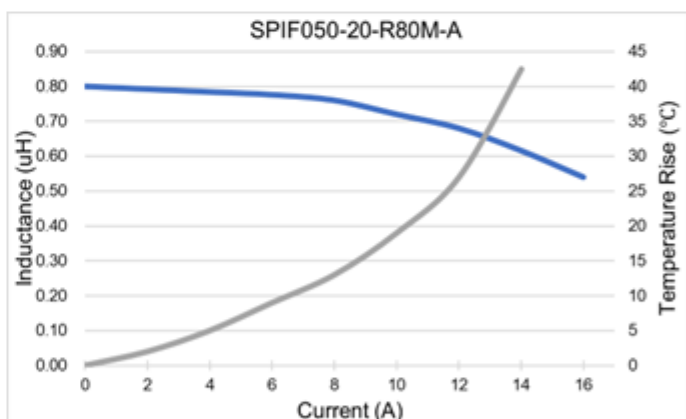
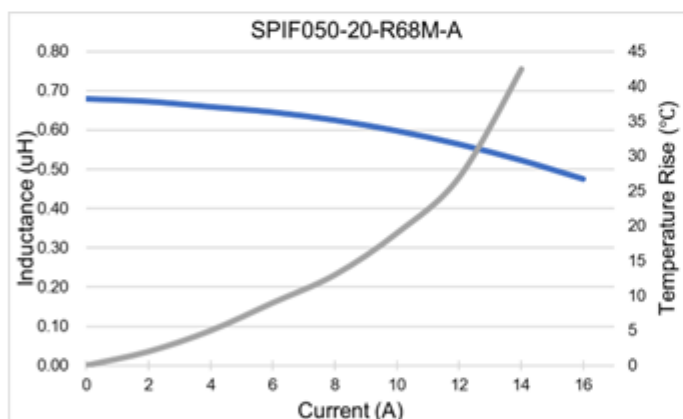
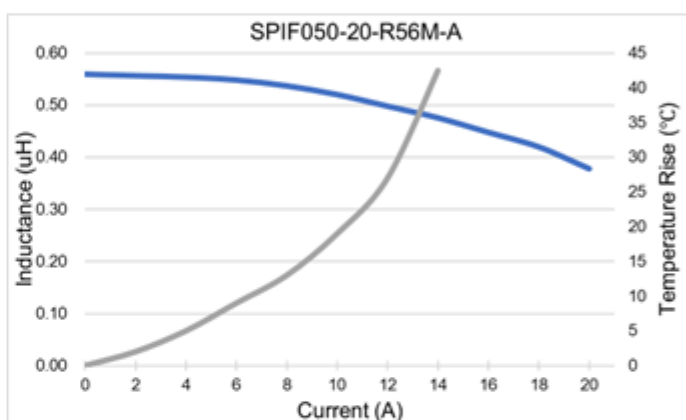
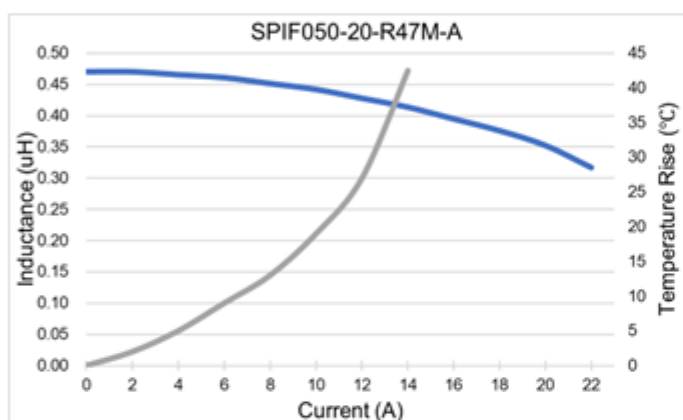
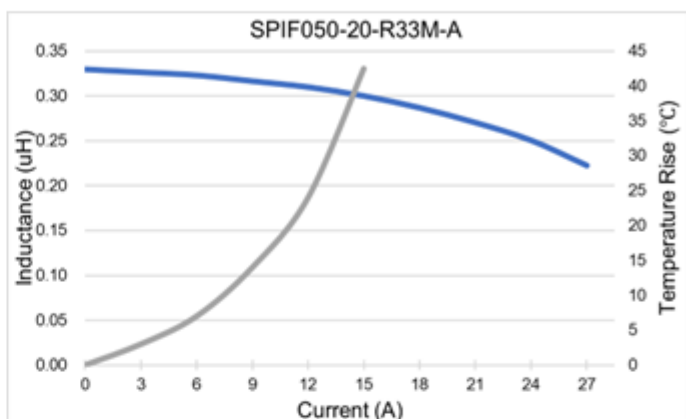
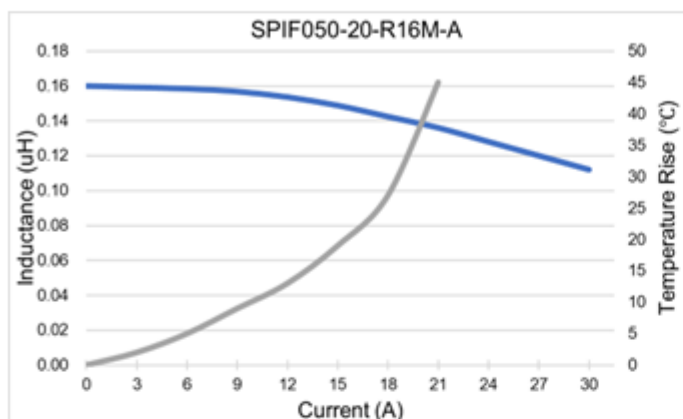
* Box : 15,000



SPIF050-20-SERIES-A

■ Performance Graph

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





SPIF050-20-SERIES-A

■ Performance Graph

