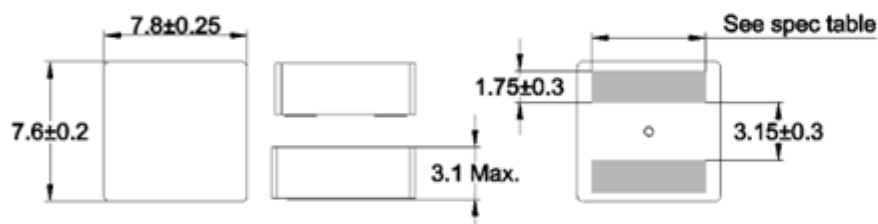
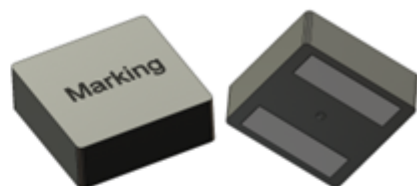
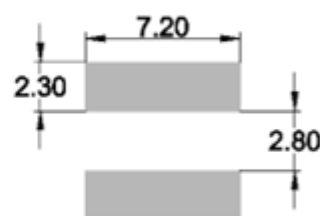


**SPIF070-30-SERIES-A****Applications**

- 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.
SPIF070-30-1R0M-A	1.0±20%	4.2	5	30	21.8
SPIF070-30-1R5M-A	1.5±20%	6.8	8.2	25	15.3
SPIF070-30-2R2M-A	2.2±20%	11.4	13.7	19	13
SPIF070-30-2R7M-A	2.7±20%	12.8	15.4	16	11.4
SPIF070-30-3R3M-A	3.3±20%	15	18	15	10
SPIF070-30-4R7M-A	4.7±20%	22.2	26.7	13.5	9
SPIF070-30-5R6M-A	5.6±20%	27.6	33.2	12.5	7.3
SPIF070-30-6R8M-A	6.8±20%	35.4	42.5	12	6.8
SPIF070-30-8R2M-A	8.2±20%	40.6	48.7	10.2	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)

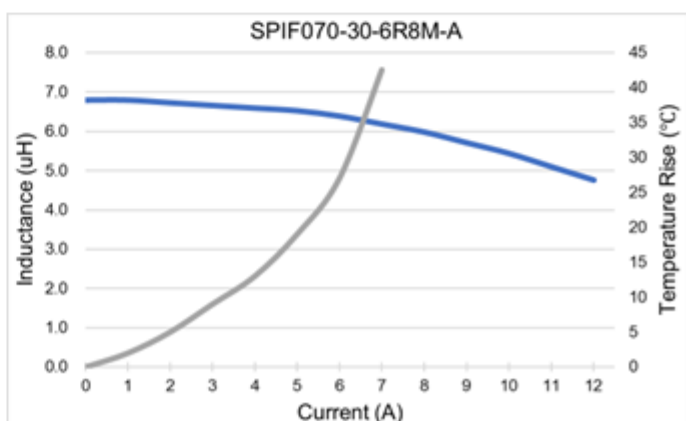
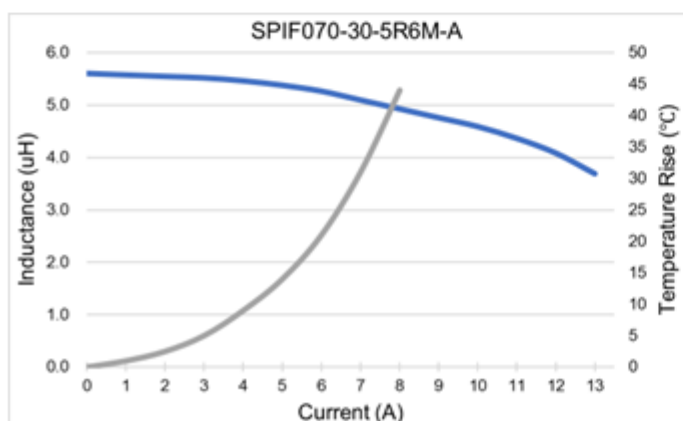
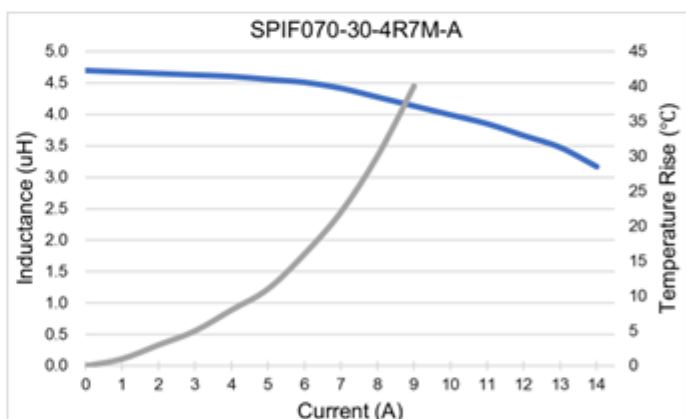
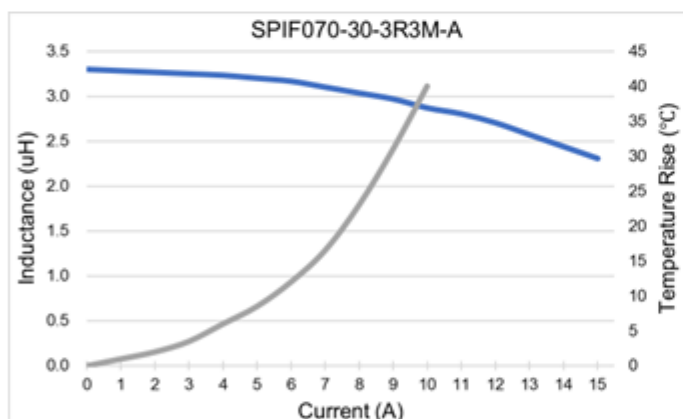
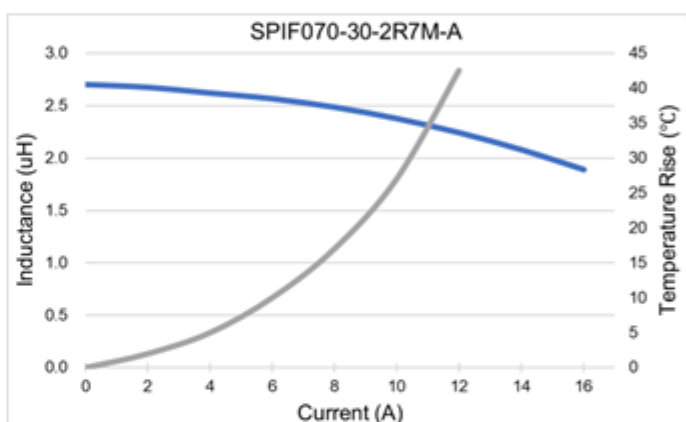
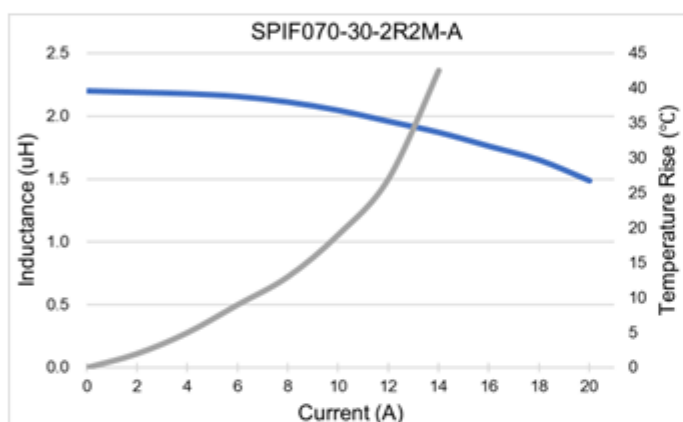
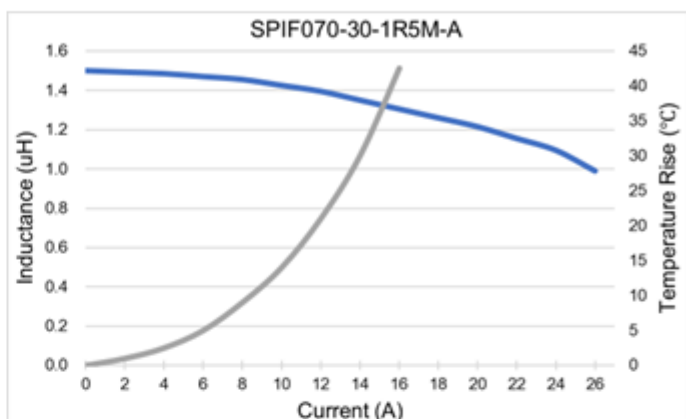
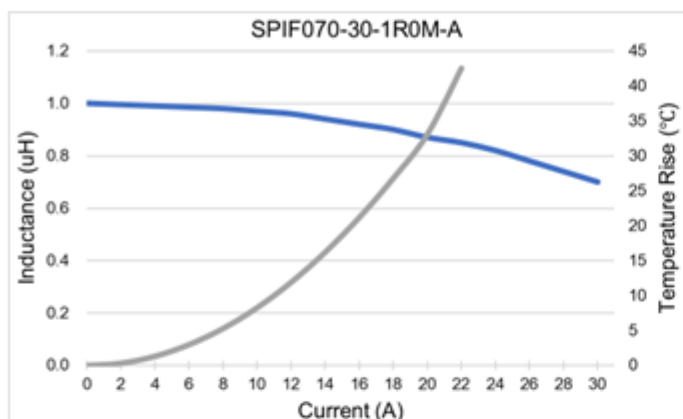
- * Reel : 1,500
- * Box : 7,500



SPIF070-30-SERIES-A

■ Performance Graph

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





SPIF070-30-SERIES-A

■ Performance Graph

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

