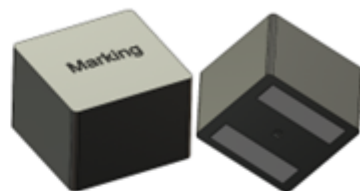
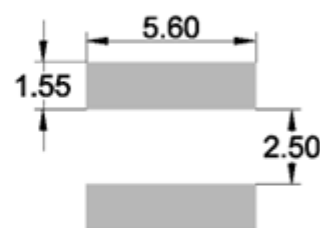


**SPIF060-50-SERIES-A****Applications**

- 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)<br>100kHz, 1V, 0A | DCR (mΩ) |      | Saturation Current DC(A) a) | Heating Rating Current DC(A) b) |
|-------------------|-------------------------------------|----------|------|-----------------------------|---------------------------------|
|                   |                                     | TYP.     | MAX. | TYP.                        | TYP.                            |
| SPIF060-50-R82M-A | 0.82±20%                            | 3.45     | 4.15 | 24                          | 21                              |
| SPIF060-50-1R0M-A | 1.0±20%                             | 3.7      | 4.5  | 23                          | 20                              |
| SPIF060-50-1R2M-A | 1.2±20%                             | 4.8      | 5.8  | 22                          | 18                              |
| SPIF060-50-1R5M-A | 1.5±20%                             | 5.2      | 6.3  | 19.5                        | 17                              |
| SPIF060-50-1R8M-A | 1.8±20%                             | 5.9      | 7.1  | 18.5                        | 16                              |
| SPIF060-50-2R2M-A | 2.2±20%                             | 7.1      | 8.5  | 16                          | 13                              |
| SPIF060-50-3R3M-A | 3.3±20%                             | 10.4     | 12.5 | 12.5                        | 11                              |
| SPIF060-50-4R3M-A | 4.3±20%                             | 13.5     | 16.2 | 11                          | 9                               |
| SPIF060-50-4R7M-A | 4.7±20%                             | 15.3     | 18.4 | 10.5                        | 8.5                             |

**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)**

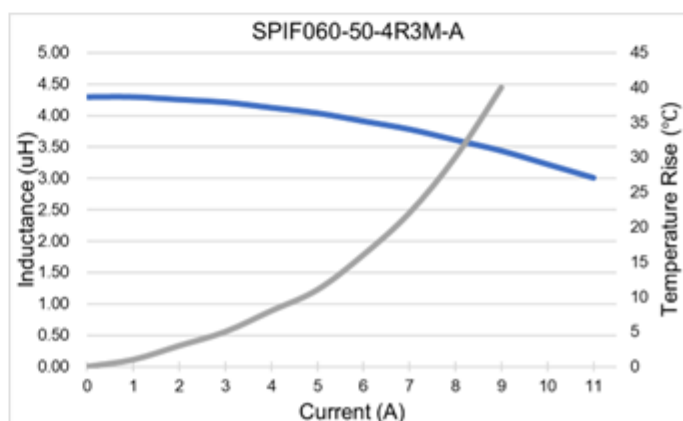
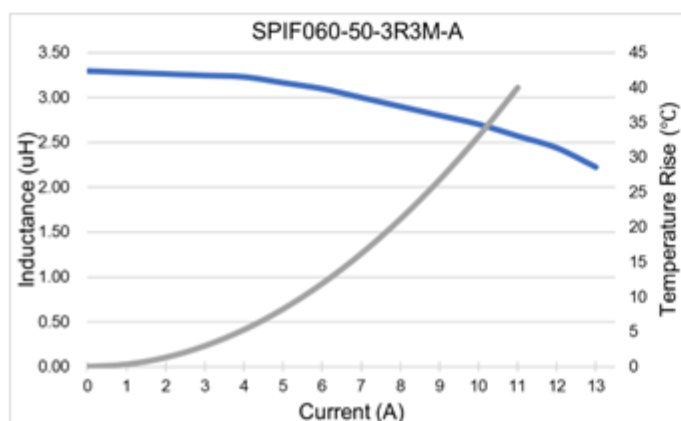
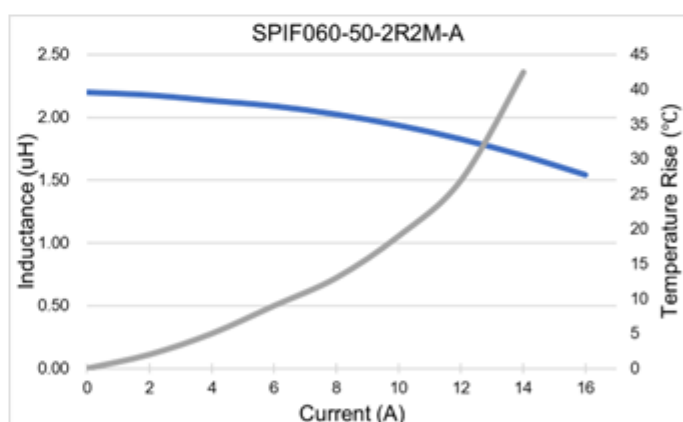
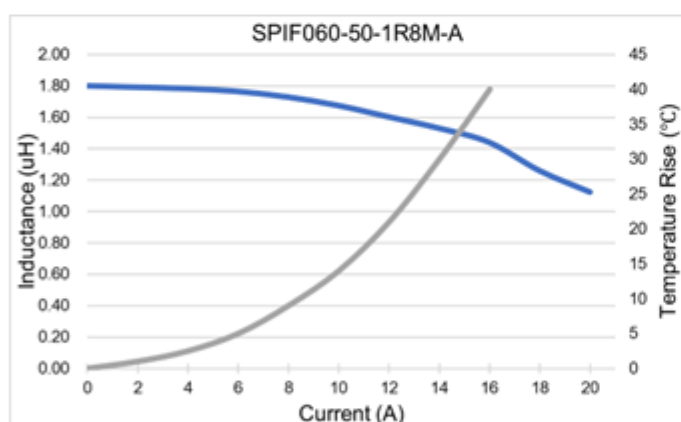
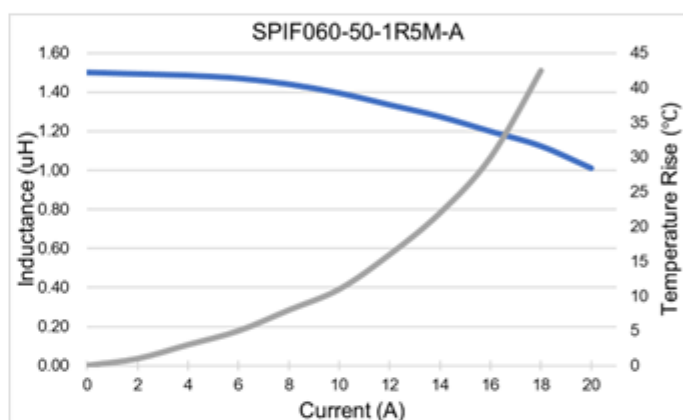
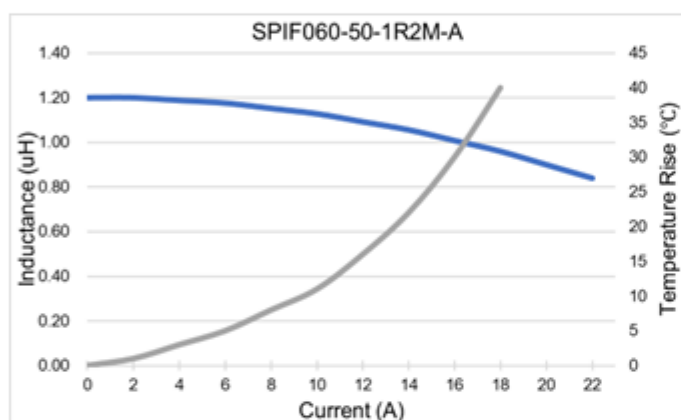
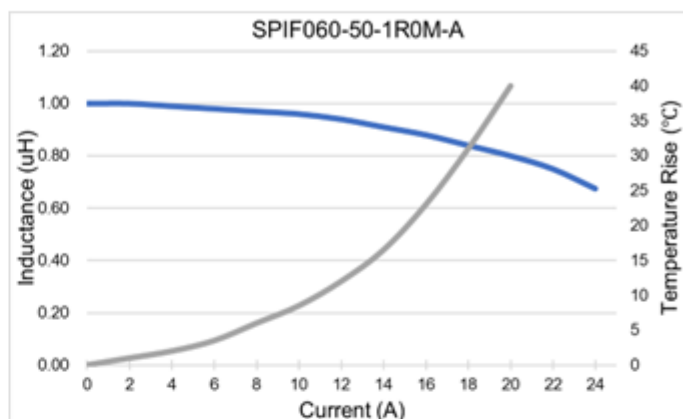
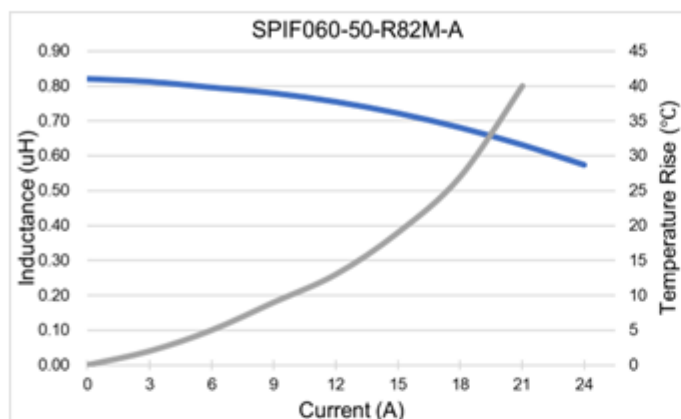
- \* Reel : 800
- \* Box : 4,000



## SPIF060-50-SERIES-A

### ■ Performance Graph

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





## **SPIF060-50-SERIES-A**

### **■ Performance Graph**

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

