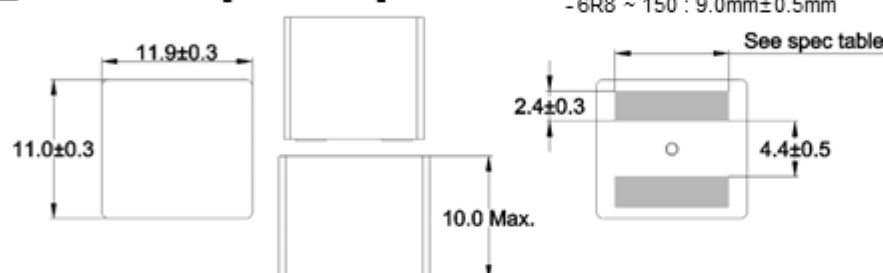
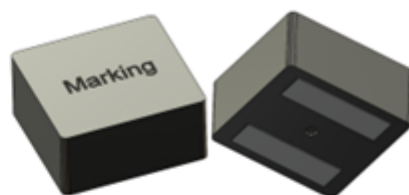
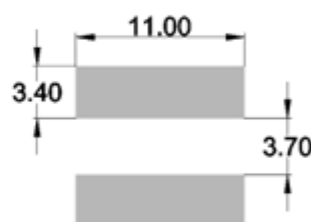


**SPIF100-100-SERIES-A****Applications**

- 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.                            |
| SPIF100-100-2R2M-A | 2.2±20%                             | 2.3      | 2.8  | 34                          | 32                              |
| SPIF100-100-3R3M-A | 3.3±20%                             | 3.4      | 4.1  | 27.4                        | 25                              |
| SPIF100-100-4R7M-A | 4.7±20%                             | 4.7      | 5.7  | 25.4                        | 24                              |
| SPIF100-100-5R6M-A | 5.6±20%                             | 6        | 7.2  | 23.6                        | 21.2                            |
| SPIF100-100-6R8M-A | 6.8±20%                             | 7.4      | 8.9  | 21.8                        | 18.5                            |
| SPIF100-100-8R2M-A | 8.2±20%                             | 10.3     | 12.4 | 18.3                        | 17.1                            |
| SPIF100-100-100M-A | 10.0±20%                            | 11.4     | 13.7 | 17.5                        | 15.5                            |
| SPIF100-100-150M-A | 15.0±20%                            | 16       | 19.3 | 15.5                        | 13.8                            |

**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 : 300
- \* Box : 1,200



## SPIF100-100-SERIES-A

### ■ Performance Graph

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

