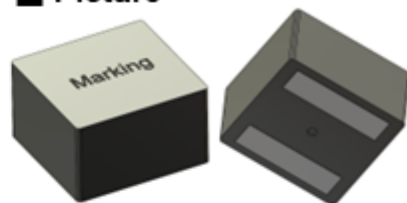
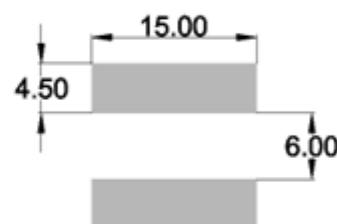


**SPIF150-100-SERIES-A****Applications**

- 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) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	TYP.	TYP.
SPIF150-100-4R7M-A	4.7±20%	3.2	3.8	43	30
SPIF150-100-5R6M-A	5.6±20%	3.5	4.2	38	28
SPIF150-100-6R8M-A	6.8±20%	3.8	4.6	36	26
SPIF150-100-8R2M-A	8.2±20%	6	7.2	32	25
SPIF150-100-100M-A	10.0±20%	7.2	8.6	29	24
SPIF150-100-150M-A	15.0±20%	9.6	11.5	20	18
SPIF150-100-220M-A	22.0±20%	13.2	15.8	18	14.2
SPIF150-100-330M-A	33.0±20%	16.7	20	16.7	12.3

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 : 150

* Box : 450



SPIF150-100-SERIES-A

■ Performance Graph

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

