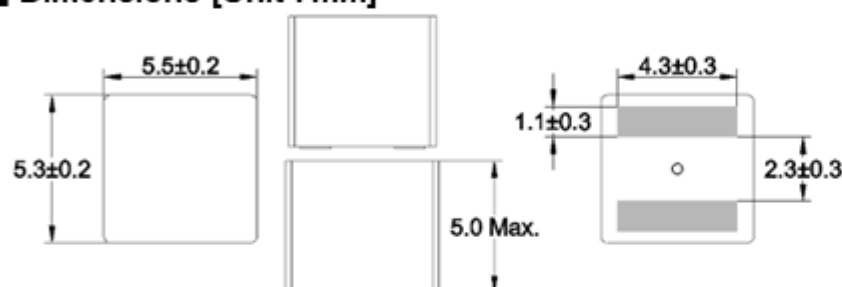
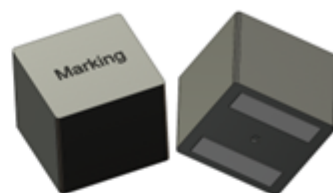
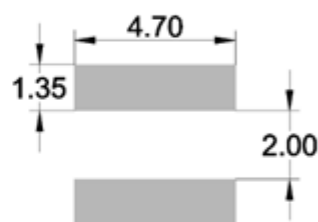


**SPIF050-50-SERIES-A****Applications**

- 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) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	TYP.	TYP.
SPIF050-50-5R6M-A	5.6±20%	20.1	24.2	8.6	7.2
SPIF050-50-6R8M-A	6.8±20%	23.8	28.6	7.8	6.4
SPIF050-50-8R2M-A	8.2±20%	27.1	32.5	7.2	6.1
SPIF050-50-100M-A	10.0±20%	35.8	43	6.5	5
SPIF050-50-150M-A	15.0±20%	63.9	76.7	3.7	3.9
SPIF050-50-220M-A	22.0±20%	83	99.6	3.6	3.4

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



SPIF050-50-SERIES-A

■ Performance Graph

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

