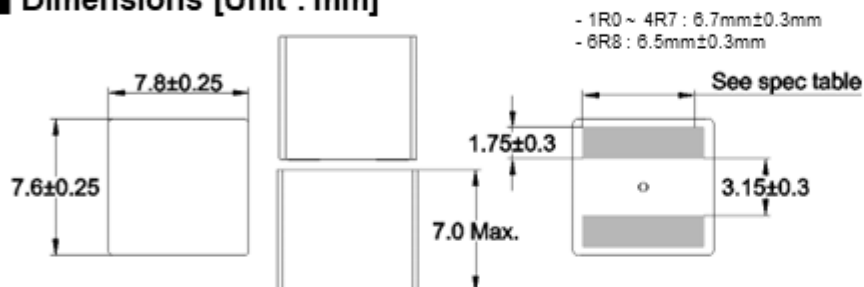
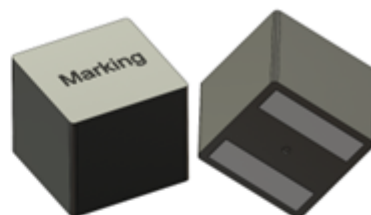
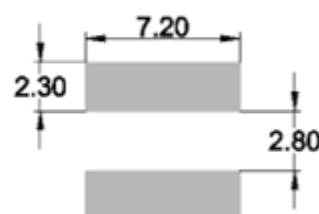


**SPIF070-70-SERIES-A****Applications**

- 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.
SPIF070-70-1R0M-A	1.0±20%	2.3	2.8	34.8	25
SPIF070-70-1R8M-A	1.8±20%	3.7	4.45	25	21
SPIF070-70-3R3M-A	3.3±20%	7.8	9.4	19.4	15.1
SPIF070-70-4R7M-A	4.7±20%	11.2	13.5	15.5	13.6
SPIF070-70-6R8M-A	6.8±20%	16.3	19.6	12.8	9.5

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 : 700
- * Box : 3,500



SPIF070-70-SERIES-A

■ Performance Graph

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

