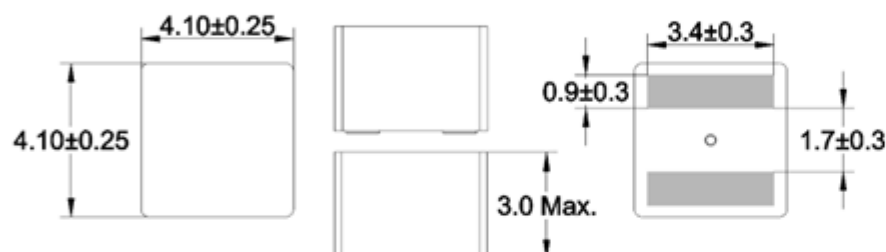
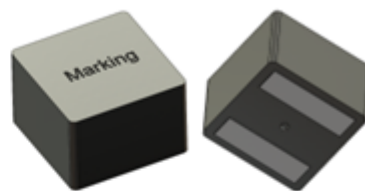
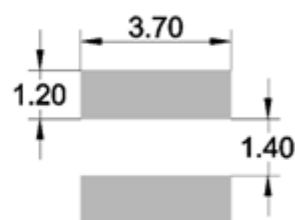


**SPIF040-30-SERIES-A****Applications**

- 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.		
SPIF040-30-R47M-A	0.47±20%	6	7.2	17	14
SPIF040-30-1R0M-A	1.0±20%	8.4	10.1	9.8	11
SPIF040-30-1R2M-A	1.2±20%	9.6	11.5	9.2	9.8
SPIF040-30-1R5M-A	1.5±20%	11	13.2	8	9
SPIF040-30-2R2M-A	2.2±20%	18.8	22.6	7	7.8
SPIF040-30-3R3M-A	3.3±20%	23.8	28.6	6.2	6.6
SPIF040-30-4R7M-A	4.7±20%	36.7	44.1	4.5	5.1
SPIF040-30-6R8M-A	6.8±20%	61.7	74.1	3.6	3.9

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 : 2,000
- * Box : 10,000



SPIF040-30-SERIES-A

■ Performance Graph

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

