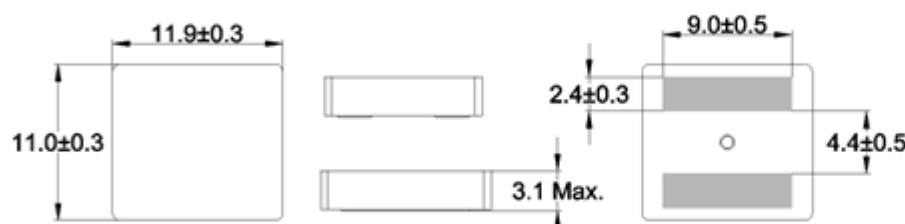
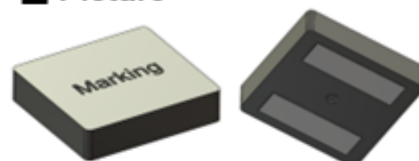


**SPIF100-30-SERIES-A****Applications**

- 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.		
SPIF100-30-R28M-A	0.28±20%	1.3	1.6	65	35
SPIF100-30-R56M-A	0.56±20%	2.3	2.75	44	32
SPIF100-30-R82M-A	0.82±20%	3.4	4.1	38	25
SPIF100-30-R90M-A	0.9±20%	3.5	4.2	36	24
SPIF100-30-1R0M-A	1.0±20%	4.1	4.95	35	23
SPIF100-30-1R5M-A	1.5±20%	5.5	6.6	30	18

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 : 1,000

* Box : 4,000



SPIF100-30-SERIES-A

■ Performance Graph

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

