



## SPI070-12-SERIES-A



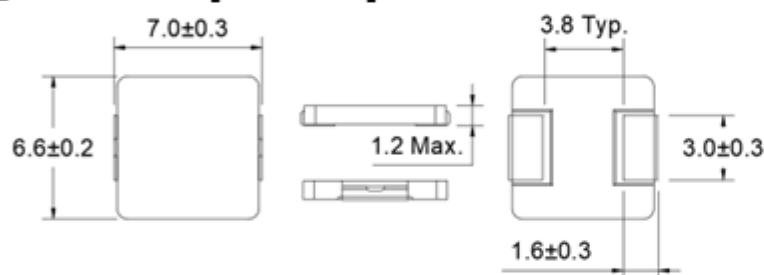
### Applications

- 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

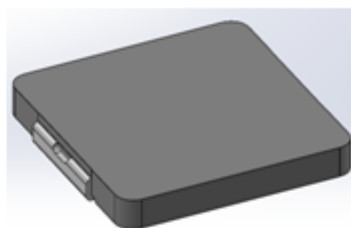
### Environmental data

- Operating temperature range : -55°C ~ +155°C(component)
- Storage conditions (packaged) : -25°C ~ +40°C, ≤75% RH
- Complies with AEC-Q200 standard

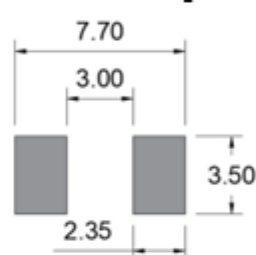
### Dimensions [Unit : mm]



### 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.
SPI070-12-1R0M-A	1.0 ± 20%	25	30	6	5
SPI070-12-2R2M-A	2.2 ± 20%	50.8	61	4.5	3.5
SPI070-12-3R3M-A	3.3 ± 20%	79.1	95	4	3
SPI070-12-4R7M-A	3.3 ± 20%	85.8	103	3.6	2.6

### 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



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### Performance Graph

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

