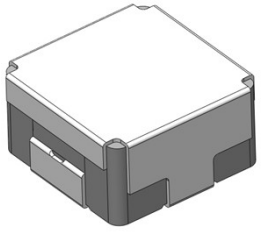
SPIS070-30-100M-A

2024.08.08 R0

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

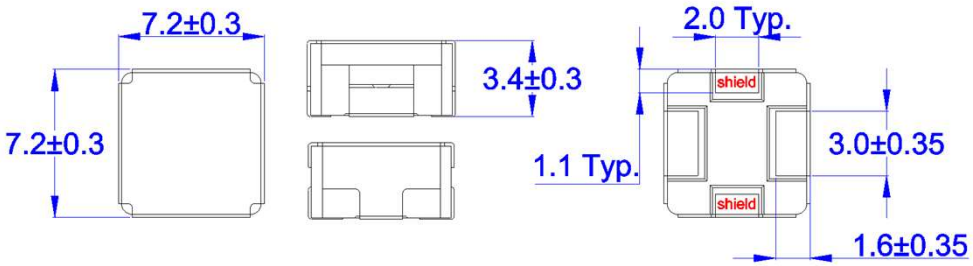
Picture



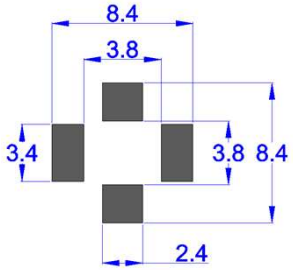
Environmental data

- 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]



Land Pattern [Unit : mm]

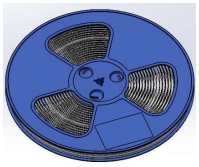


Specifications

Part No.	Inductance(uH)[1]	DCR (mΩ)[2]		Saturation Current(A)[3]	Heating Rating Current(A)[4]
		TYP.	MAX.	TYP.	TYP.
SPIS070-30-100M-A	10±20%	56.6	68.0	5.5	4.5

Packing(Quantity)

< 1 REEL : 1,000 PCS >



< 1 BOX : 5,000 PCS >





< 1 PALLET : 240,000 PCS >



1. Measured using a Agilent 4284A with Agilent 42841A bias current source and Agilent 42842B test fixture at 100KHz, 1.0V
2. DC resistance : Reference ambient temperature 25°C (Measured using a HIOKI 3540mΩ Hi-tester)
3. I sat : Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value. (Reference ambient temperature 25°C)
4. I rms : DC current for an approximate temperature rise of 40°C without core loss. (Reference ambient temperature 25°C)
   Temperature rise is highly dependent on many factors including P.C.B land pattern, trace size, and proximity to other components. Therefore temperature rise should be verified in application conditions.