

Features

- Formerly J.W. Miller® model
- Shielded construction
- Unit height of 3.7 mm
- Inductance range: 0.67 µH to 1.2 µH
- Current up to 28 A
- RoHS compliant*

Applications

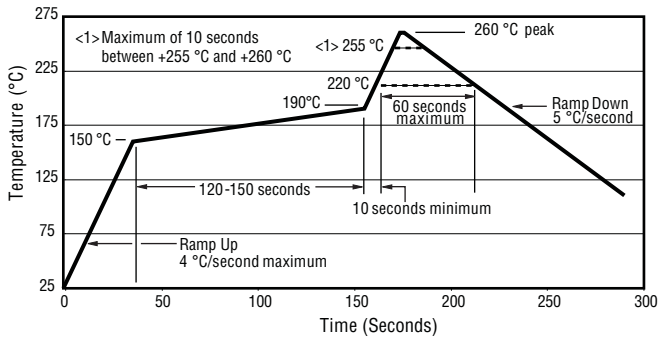
- Input/output of DC/DC converters
- Power supplies for:
  - Portable communications equipment
  - Camcorders
  - LCD TVs
  - Car audio systems

PM12639S Series - Shielded Power Inductors

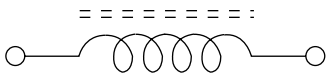
Electrical Specifications

Bourns Part No.	Inductance L (µH)	I rms (A)	I sat (A)	DCR (mΩ) max.	SRF (MHz) typ.
PM12639S-R67M-RC	0.67	28.0	32	2.5	72
PM12639S-1R2M-RC	1.20	21.0	29	4.5	37

Soldering Profile



Electrical Schematic



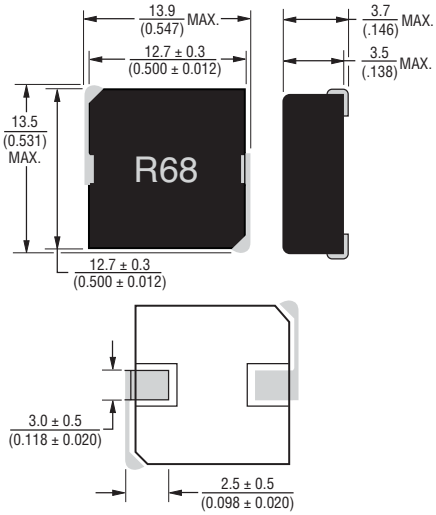
General Specifications

Test Voltage .....0.25 V
Test Frequency ..... 100 KHz
Reflow Soldering ....230 ˚C; 50 sec max.
Operating Temperature
.....-55 °C to +150 °C
(Temperature rise included)
Storage Temperature
.....-55 °C to +150 °C
Resistance to Soldering Heat
..... +260 °C for 10 sec.

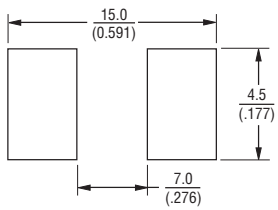
Materials

Core.....Iron
Wire .....Enameled copper
Terminal.....Cu/Sn
Rated Current.... Ind. drops 20 % at I sat
Temperature Rise .... 40 ˚C at rated I rms
Packaging..... 600 pcs. per 13-inch reel

Product Dimensions



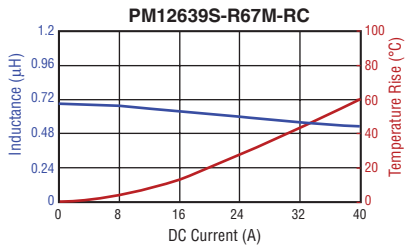
Recommended Layout

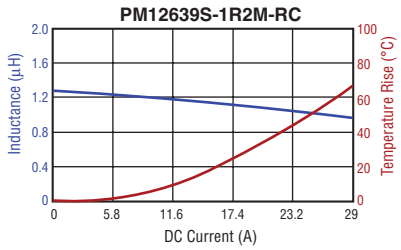


DIMENSIONS: MM (INCHES)

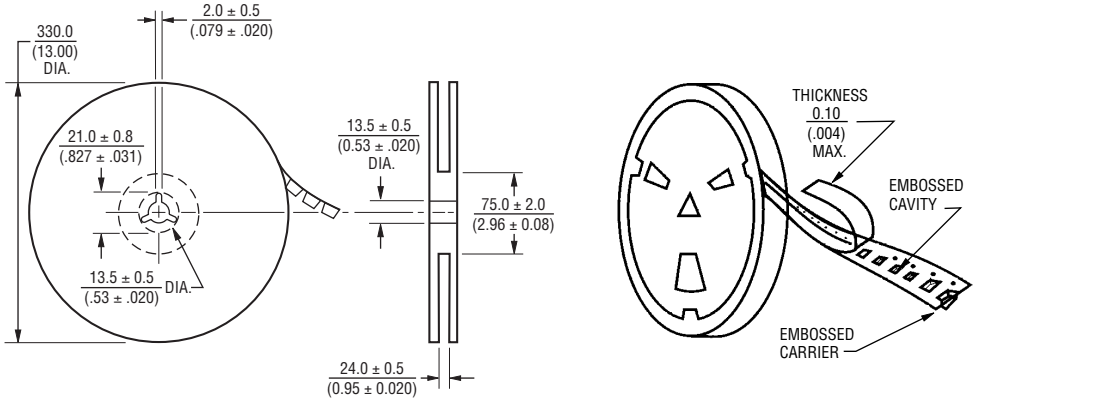
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

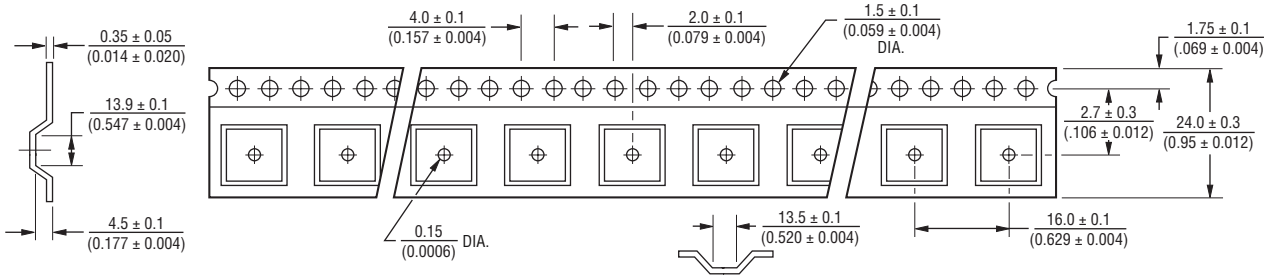
L vs. I Charts





Packaging Specifications





DIMENSIONS: MM / (INCHES)

REV. 10/08

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