



### Features

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

### Applications

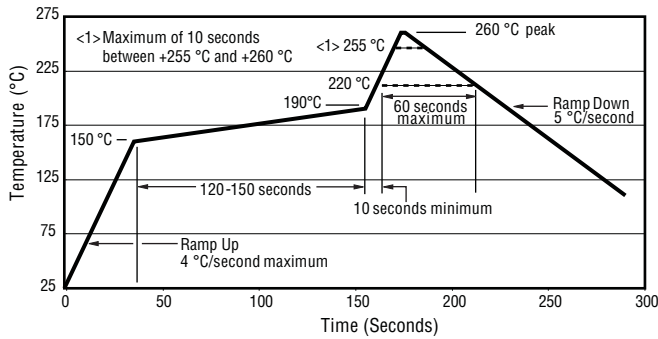
- Input/output of DC/DC converters
- Power supplies for:
  - Portable communications equipment
  - Camcorders
  - LCD TVs
  - Car audio systems

## PM12639S Series - Shielded Power Inductors

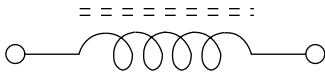
### Electrical Specifications

Bourns Part No.	Inductance L ( $\mu$ H)	I rms (A)	I sat (A)	DCR (m $\Omega$ ) 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



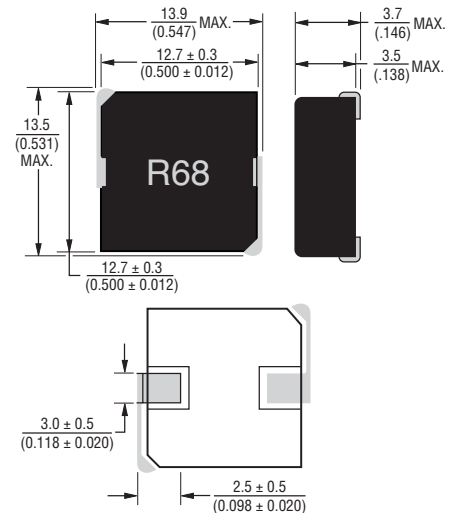
### General Specifications

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.

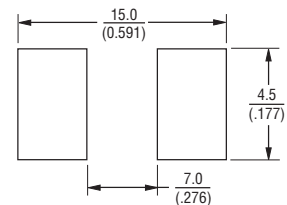
### Materials

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



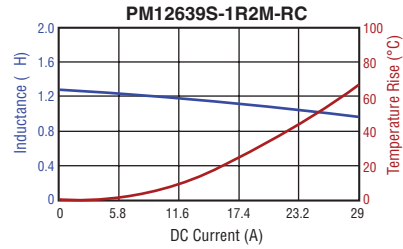
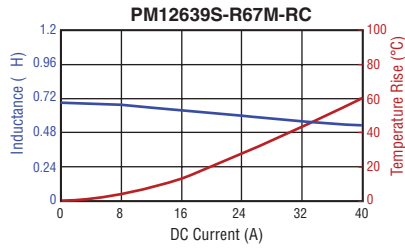
DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

\*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.

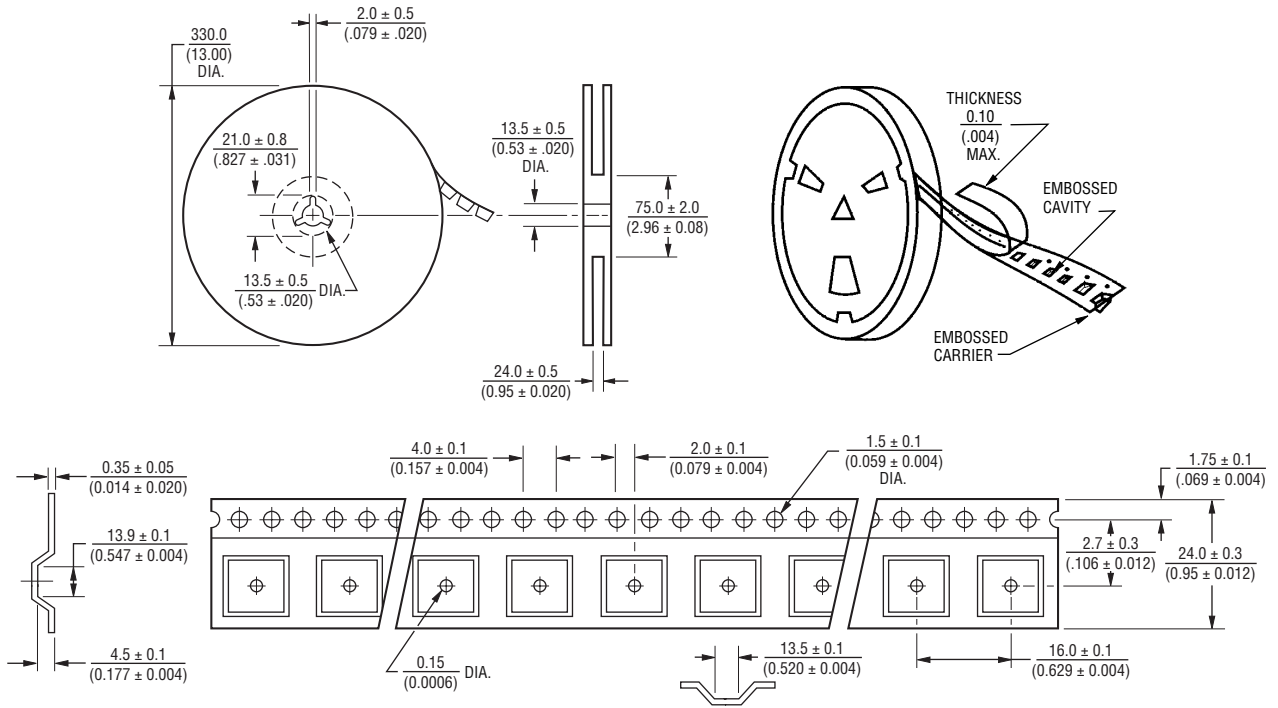
# PM12639S Series - Shielded Power Inductors

**BOURNS®**

## L vs. I Charts



## Packaging Specifications



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

REV. 10/08

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