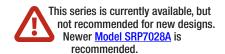


### **Features**

- Formerly **J.W. Miller**® model
- Shielded construction
- Unit height of 3.2 mm
- Inductance range: 0.1 µH to 1.5 µH
- Current up to 32.5 A
- RoHS compliant\*

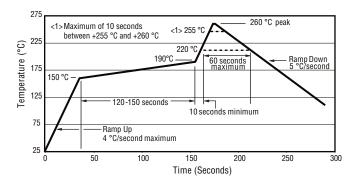


# PM7232S Series - Shielded Power Inductors

#### **Electrical Specifications**

Bourns Part No.	Inductance L (µH)	I rms (A)	I sat (A)	DCR (mΩ) max.
PM7232S-R10M-RC	0.10	32.5	42	1.7
PM7232S-R22M-RC	0.22	23.0	36	2.8
PM7232S-R47M-RC	0.47	17.5	26	4.2
PM7232S-R72M-RC	0.72	15.5	20	5.5
PM7232S-1R0M-RC	1.0	11.0	15	10.0
PM7232S-1R5M-RC	1.5	9.0	14	15.0

#### **Soldering Profile**



### **Electrical Schematic**



### **BOURNS**®

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The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

www.bourns.com



#### WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

\*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. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at <a href="https://www.bourns.com/docs/legal/disclaimer.pdf">www.bourns.com/docs/legal/disclaimer.pdf</a>

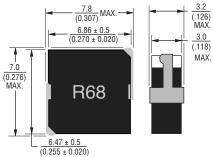
#### **General Specifications**

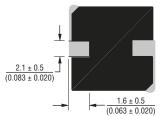
.....-55 °C to +150 °C (Temperature rise included) Storage Temperature .. -55 °C to +150 °C Resistance to Soldering Heat

#### Materials

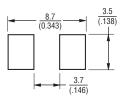
Core.......Iron
Wire ......Enameled copper
Terminal ......Cu/Sn
Rated Current ....Ind. drops 20 % at I sat
Temperature Rise ....40 °C at rated I rms
Packaging.... 1000 pcs. per 13-inch reel

#### **Product Dimensions**





### **Recommended Layout**



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

### **Applications**

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

# PM7232S Series - Shielded Power Inductors

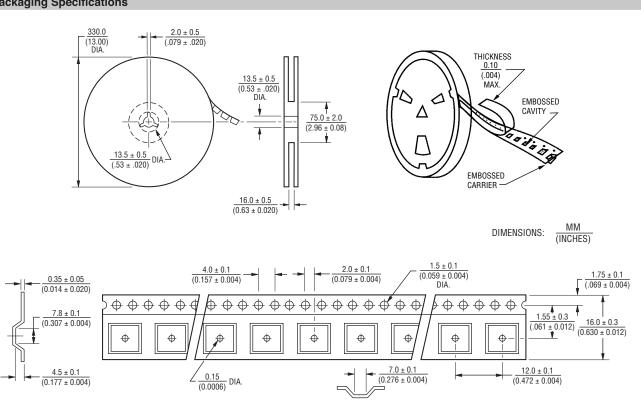
## **BOURNS**®

DC Current (A)

#### L vs. I Charts PM7232S-R10M-RC PM7232S-R22M-RC PM7232S-R47M-RC 0.40 0.36 1.0 0.30 0.32 0.28 0.20 0.10 0.11 0.12 0.16 0.12 0.10 0.08 0.06 Inductance (µH) 0.7 0.12 0.5 0.3 0.06 0.08 0.04 0.02 12 18 21 24 27 30 33 36 39 16 20 24 28 32 28 24 DC Current (A) DC Current (A) DC Current (A) PM7232S-1R0M-RC PM7232S-1R5M-RC PM7232S-R72M-RC 1.2 2.7 Inductance (µH) Inductance (µH) 1.5 0.48 0.8 0.6 0.9 18.4 14 16 8 10

DC Current (A)

#### **Packaging Specifications**



REV. 03/18

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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