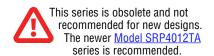


#### **Features**

- Shielded construction
- Flat wire
- Unit height of 1.2 mm
- Inductance range: 0.22 to 1.5 µH
- Rated current up to 9 A
- RoHS compliant\* and halogen free\*\*

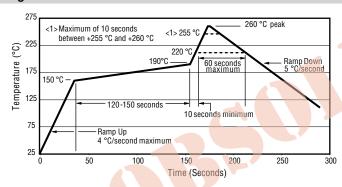


# **SRP4012 Series - Shielded Power Inductors**

#### **Electrical Specifications**

Bourns Part No.	Inductance L (μH) ±20 %	l rms (A)	I sat (A)	DCR (mΩ) Max.
SRP4012-R22M	0.22	9	10	9.3
SRP4012-R47M	0.47	6.5	9	20
SRP4012-R56M	0.56	5.5	8	25
SRP4012-1R0M	1.0	4.8	6.3	33.6
SRP4012-1R2M	1.2	3	6	45
SRP4012-1R5M	1.5	3	5.5	50

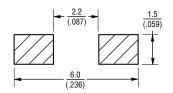
#### **Soldering Profile**



#### **Electrical Schematic**



#### **Recommended Layout**

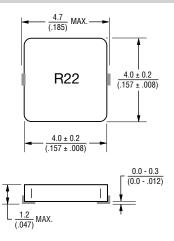


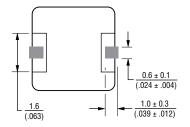
#### 

Resistance to Soldering Heat .....+260 °C for 10 sec.

#### **Materials**

#### **Product Dimensions**





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



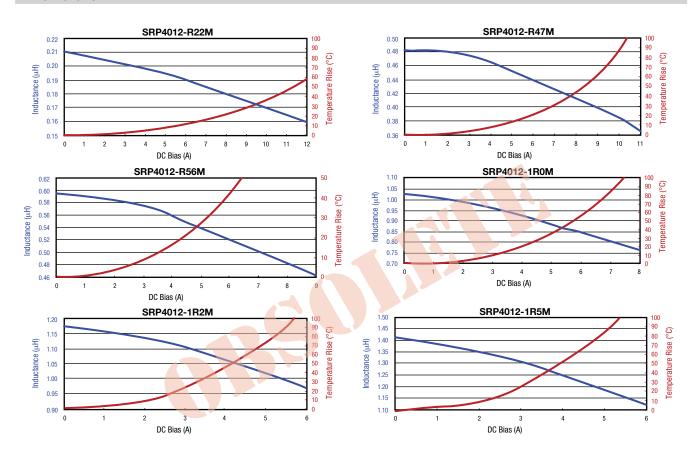
### WARNING Cancer and Reproductive Harm - $\underline{www.P65Warnings.ca.gov}$

- \* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
- \*\*Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less. Specifications are subject to change without notice.

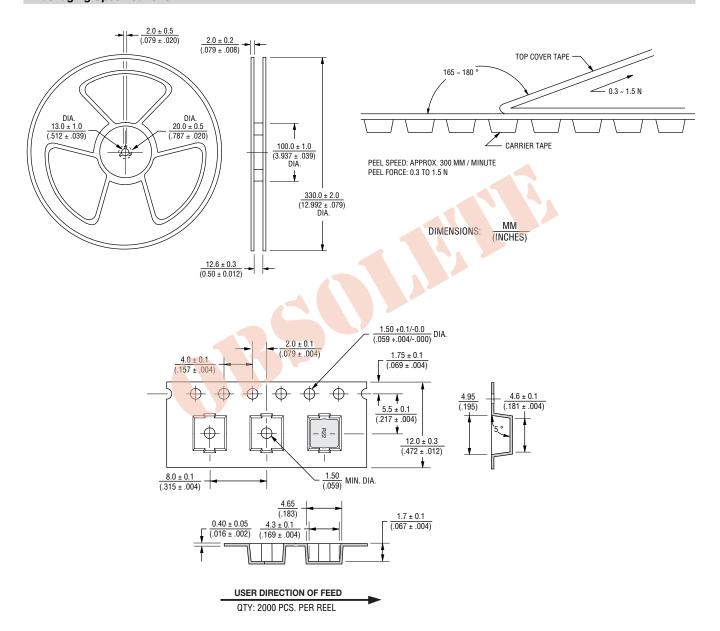
  Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

#### L vs. I Charts



#### **Packaging Specifications**



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