

#### **Features**

- Formerly J. W. Miller® model
- Height of 3.0 mm max.
- Current rating up to 3.0 A
- RoHS compliant\*

### **Applications**

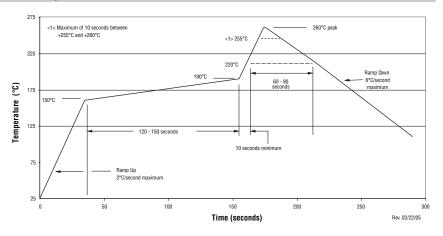
- Input/output of DC/DC converters
- Power supplies for:
  - · Portable communication equipment
  - Camcorders
  - LCD TVs

## PM528S Series - Shielded SMD Power Inductor

#### **Electrical Specifications**

	Inductance 100 kHz		Q	Test Frequency	SRF Typ.	DCR Max.	Irms	Isat
Bourns Part No.	(μH)	Tol. %	Ref.	(MHz)	(MHz)	(mΩ)	(A)	(A)
PM528S-2R6-RC	2.6	±30	7	7.96	77	30	3.00	2.70
PM528S-3R0-RC	3.0	±30	7	7.96	65	30	2.80	2.50
PM528S-4R2-RC	4.2	±30	7	7.96	51	35	2.50	2.20
PM528S-5R3-RC	5.3	±30	7	7.96	45	40	2.30	1.90
PM528S-6R2-RC	6.2	±30	7	7.96	39	45	2.20	1.80
PM528S-8R2-RC	8.2	±30	7	7.96	34	55	2.10	1.60
PM528S-100-RC	10	±30	9	2.52	30	70	1.50	1.40
PM528S-120-RC	12	±30	11	2.52	28	80	1.46	1.25
PM528S-150-RC	15	±30	9	2.52	22	100	1.37	1.15
PM528S-180-RC	18	±30	10	2.52	20	110	1.25	1.10
PM528S-220-RC	22	±30	7	2.52	20	120	1.15	1.00
PM528S-270-RC	27	±30	10	2.52	17	160	1.05	0.90
PM528S-330-RC	33	±30	11	2.52	13	190	0.90	0.78
PM528S-390-RC	39	±30	8	2.52	13	210	0.86	0.72
PM528S-470-RC	47	±30	7	2.52	13	250	0.82	0.65
PM528S-560-RC	56	±30	9	2.52	12	300	0.72	0.60
PM528S-680-RC	68	±30	8	2.52	11	350	0.62	0.56
PM528S-820-RC	82	±30	8	2.52	9	430	0.52	0.50
PM528S-101-RC	100	±30	8	0.796	8	480	0.45	0.45

#### **Soldering Profile**



#### **General Specifications**

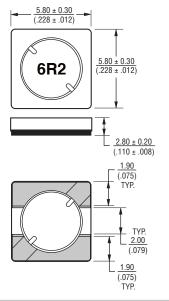
Storage Temperature .. -40 °C to +125 °C Resistance to Soldering Heat

#### **Materials**

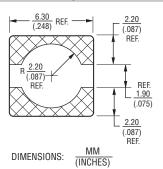
Core Material Ferrite
Wire Enameled Copper
Adhesive Epoxy Resin
Terminal Ag/Ni/Sn
Rated Current Ind. drop of 35 % typ.
at Isat

Temperature Rise ...... 30 °C typ. at Irms Packaging ................................. 400 pcs. per reel

#### **Product Dimensions**



#### **Recommended Layout**



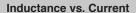


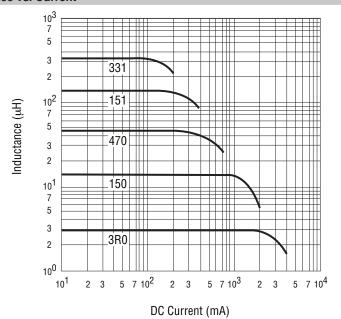
#### WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

\*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>

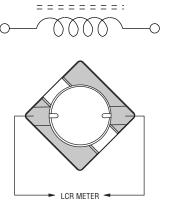
# PM528S Series - Shielded SMD Power Inductor

## BOURNS

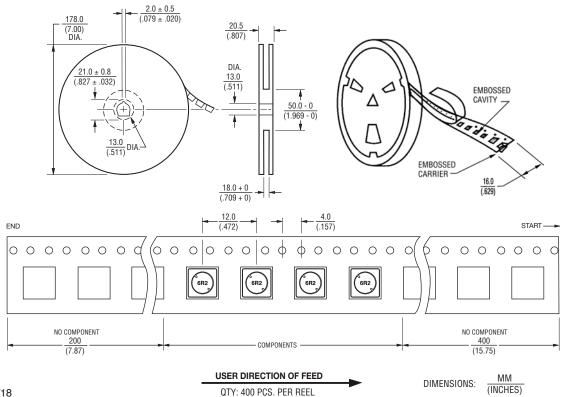




#### **Electrical Schematic**



#### **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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