

#### **Features**

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

### **Applications**

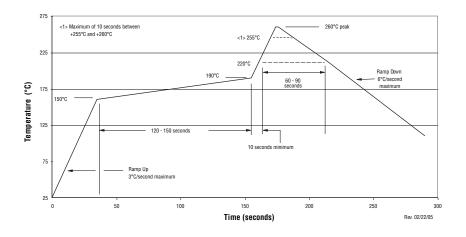
- Input/output of DC/DC converters
- Power supplies for:
  - · Portable communication equipment
  - · Camcorders
  - LCD TVs

# PM628S Series - Shielded SMD Power Inductors

#### **Electrical Specifications**

	Inductanc	e 100 kHz		Test	SRF	DCR	1	
Bourns Part No.	(μH)	Tol. %	Q Ref.	Frequency (MHz)	Typ. (MHz)	Max. (mΩ)	I rms (A)	I sat (A)
PM628S-3R0-RC	3.0	±30	9	7.96	45	28	3.00	2.60
PM628S-3R9-RC	3.9	±30	9	7.96	47	32	2.45	2.30
PM628S-5R0-RC	5.0	±30	7.5	7.96	50	36	2.40	2.10
PM628S-6R0-RC	6.0	±30	9	7.96	48	40	2.30	2.00
PM628S-7R3-RC	7.3	±30	6	7.96	38	52	2.20	1.85
PM628S-8R6-RC	8.6	±30	8	2.52	33	56	2.10	1.82
PM628S-100-RC	10	±30	11	2.52	29	65	2.00	1.70
PM628S-120-RC	12	±30	10	2.52	24	70	1.90	1.50
PM628S-150-RC	15	±30	9.5	2.52	23	78	1.70	1.30
PM628S-180-RC	18	±30	9	2.52	21	85	1.50	1.10
PM628S-220-RC	22	±30	8.5	2.52	19	115	1.40	1.08
PM628S-270-RC	27	±30	9	2.52	19	130	1.20	1.00
PM628S-330-RC	33	±30	10	2.52	14	155	1.15	0.92
PM628S-390-RC	39	±30	10	2.52	17	195	1.00	0.75
PM628S-470-RC	47	±30	10	2.52	11	235	0.92	0.72
PM628S-560-RC	56	±30	10	0.796	15	260	0.85	0.65
PM628S-680-RC	68	±30	11	0.796	10.5	300	0.80	0.60
PM628S-820-RC	82	±30	9	0.796	14	400	0.70	0.56
PM628S-101-RC	100	±30	8.5	0.796	7	500	0.58	0.55

#### **Soldering Profile**

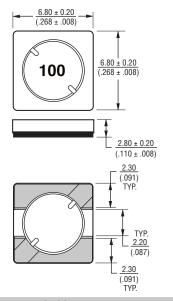


#### **General Specifications**

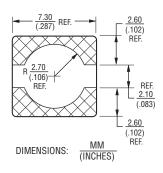
Moisture Sensitivity Level	2
ESD Classification (HBM)	N/A

Materials	
Core Material	Ferrite
Wire Enam	eled Copper
Adhesive	Epoxy Resin
Terminal	Ag/Ni/Sn
Rated CurrentInd. drop	of 35 % typ.
	at Isat
Temperature Rise 30 °C	typ. at Irms
Packaging1500	pcs. per reel

#### **Product Dimensions**



### **Recommended Layout**



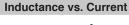


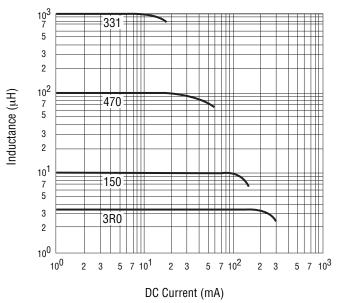
#### WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

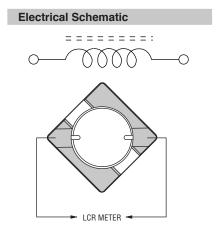
\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific 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>

# **PM628S Series - Shielded SMD Power Inductors**

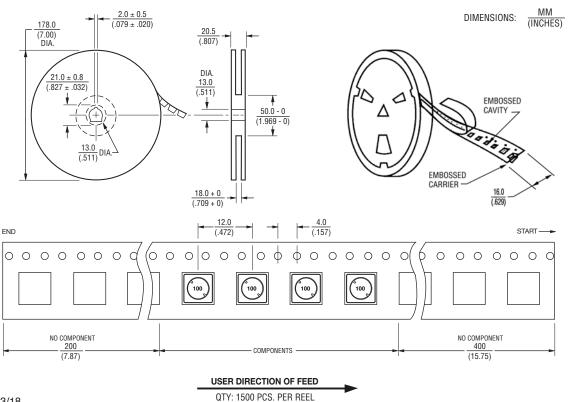
## BOURNS®







#### **Packaging Specifications**



REV. 03/18

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Users should verify actual device performance in their specific applications.

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 PM628S-3R0-RC
 PM628S-3R9-RC
 PM628S-820-RC
 PM628S-5R0-RC

 PM628S-680-RC
 PM628S-560-RC
 PM628S-150-RC
 PM628S-120-RC
 PM628S-470-RC
 PM628S-6R0-RC

 PM628S-220-RC
 PM628S-100-RC
 PM628S-8R6-RC
 PM628S-390-RC
 PM628S-330-RC
 PM628S-270-RC

 PM628S-180-RC
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 PM628S-180-RC
 PM628S-180-RC