

Features

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

Applications

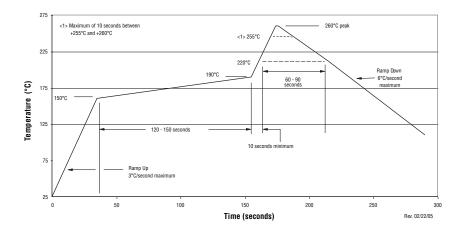
- Input/output of DC/DC converters
- Power supplies for:
 - · Portable communication equipment
 - · Camcorders
 - LCD TVs

PM628S Series - Shielded SMD Power Inductors

Electrical Specifications

	Inductance	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

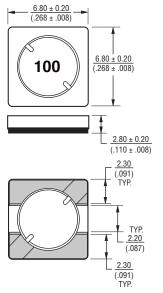


General Specifications

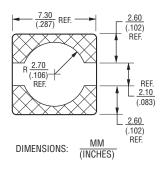
200	0 101	10 300.
Moisture Sensitivity Level		2
ESD Classification (HBM)		N/A

Materials	
Core Material	Ferrite
Wire	Enameled Copper
Adhesive	Epoxy Resin
Terminal	Ag/Ni/Sn
Rated CurrentInd	
	at Isat
Temperature Rise	. 30 °C typ. at Irms
Packaging	1500 pcs. per reel

Product Dimensions



Recommended Layout



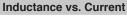


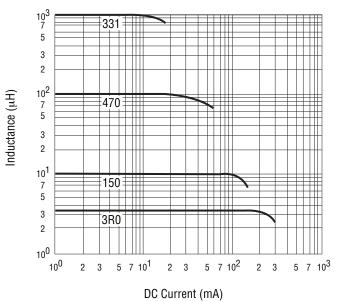
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

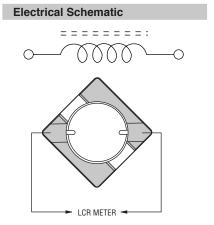
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf

PM628S Series - Shielded SMD Power Inductors

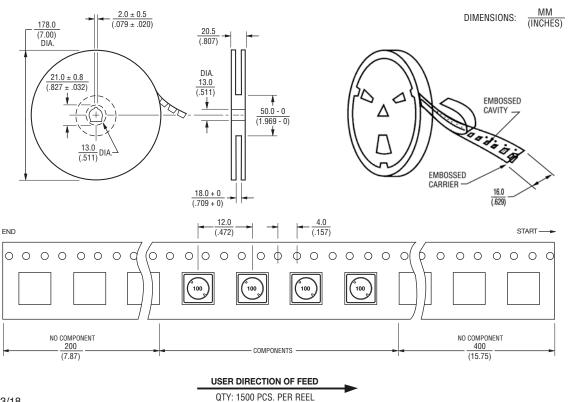
BOURNS®







Packaging Specifications



REV. 03/18

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