

Features

- Formerly J.W. Miller® model
- Height of 2.92 mm
- Current rating up to 2.9 A
- RoHS compliant*

Applications

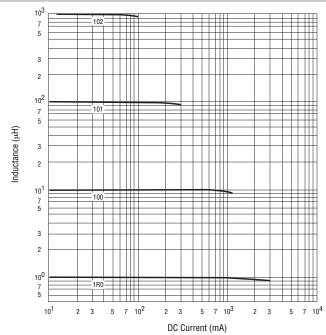
- Input/output of DC/DC converters
- Power supplies for:
 - · Portable communication equipment
 - Camcorders
 - LCD TVs

PM1608 Series - SMD Power Inductor

Electrical Specifications

	Inductance 100 kHz			Test	SRF	DCR	Irms	I sat
Bourns Part No.	(μH)	Tol. %	Q Ref.	Frequency (MHz)	Typ. (MHz)	Max. (Ω)	Max. (A)	Typ. (A)
PM1608-1R0M-RC	1.0	±20	20	7.96	130	0.05	2.9	2.9
PM1608-1R5M-RC	1.5	±20	19	7.96	115	0.05	2.8	2.6
PM1608-2R2M-RC	2.2	±20	18	7.96	90	0.07	2.4	2.3
PM1608-3R3M-RC	3.3	±20	18.5	7.96	70	0.08	2.0	2.0
PM1608-4R7M-RC	4.7	±20	17	7.96	50	0.09	1.5	1.5
PM1608-6R8M-RC	6.8	±20	15.5	7.96	45	0.13	1.4	1.2
PM1608-100M-RC	10	±20	17	2.52	35	0.16	1.1	1.1
PM1608-150M-RC	15	±20	17	2.52	30	0.23	1.0	0.90
PM1608-220M-RC	22	±20	16	2.52	20	0.37	0.80	0.70
PM1608-330M-RC	33	±20	24	2.52	15	0.51	0.60	0.58
PM1608-470M-RC	47	±20	15	2.52	14	0.64	0.50	0.50
PM1608-680M-RC	68	±20	18	2.52	11	0.86	0.40	0.40
PM1608-101M-RC	100	±20	29	0.796	9	1.3	0.30	0.31
PM1608-151M-RC	150	±20	41	0.796	6	2.0	0.25	0.27
PM1608-221M-RC	220	±20	33	0.796	5.5	3.2	0.20	0.22
PM1608-331M-RC	330	±20	42	0.796	5	3.8	0.16	0.18
PM1608-471M-RC	470	±20	42	0.796	4	5.1	0.15	0.16
PM1608-681M-RC	680	±20	58	0.796	3	9.2	0.12	0.14
PM1608-102M-RC	1000	±20	71	0.252	2	13.8	0.07	0.10

Inductance vs. Current





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

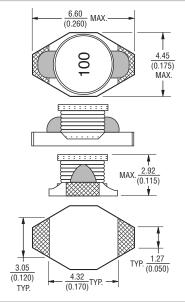
Reflow soldering.... 230 °C; 50 sec max. Operating Temp.....-40 °C to +125 °C (Temperature rise included)

Storage Temperature .. -40 $^{\circ}$ C to +125 $^{\circ}$ C Resistance to Soldering Heat

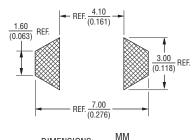
Materials

Core Ferrite
Wire Enameled copper
Base Ceramic
Adhesive Epoxy resin
Terminal Ag/Ni/Au
Rated Current. Ind. drop 10 % typ. at Isat
Temperature Rise 15 °C typical
at rated Irms
Packaging 600 pcs. per reel

Product Dimensions



Recommended Layout

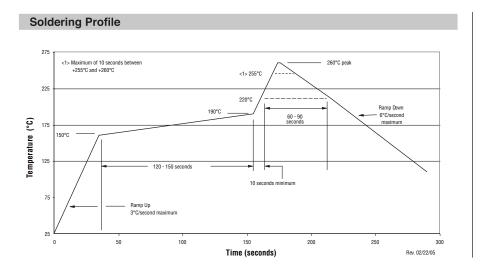


DIMENSIONS:

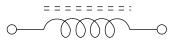
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PM1608 Series - SMD Power Inductor

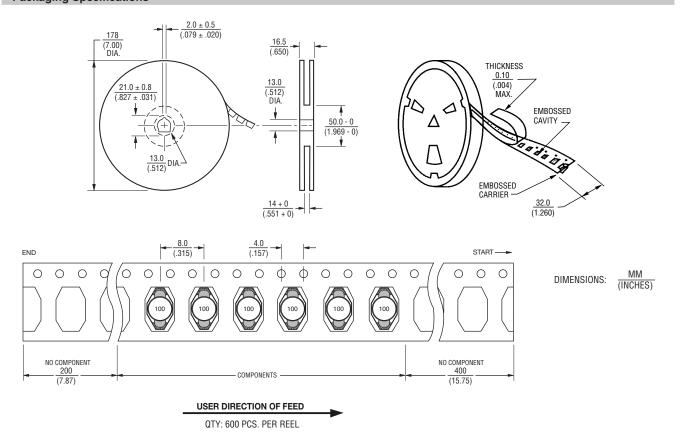
BOURNS®



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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