

Features

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

Applications

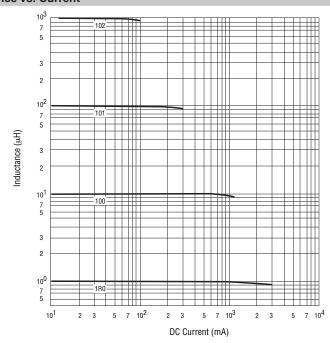
- Input/output of DC/DC converters
- Power supplies for:
 - · Portable communication equipment
 - Camcorders
 - LCD TVs

PM1608 Series - SMD Power Inductor

Electrical Specifications

	Inductano	e 100 kHz		Test	SRF	DCR	I rms	I sat
Bourns Part No.	(μH)	Tol. %	Q Ref.	Frequency (MHz)	Typ. (MHz)	Max. (Ω)	Max. (A)	Тур. (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





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

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. 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

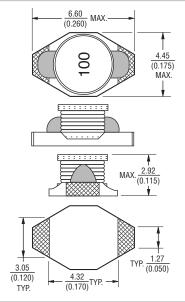
General Specifications

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

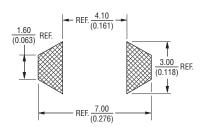
Materials

Core		Ferrite
WireEn	amele	d copper
Base		.Ceramic
Adhesive	Ep	oxy resin
Terminal		Ag/Ni/Au
Rated CurrentInd. drop 1	0 % ty	p. at Isat
Temperature Rise	15 °	C typical
	at ra	ated Irms
Packaging 60	nce	ner reel

Product Dimensions



Recommended Layout

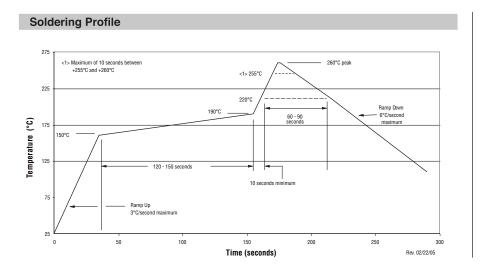


DIMENSIONS:

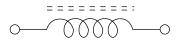
 $\frac{\mathsf{MM}}{(\mathsf{INCHES})}$

PM1608 Series - SMD Power Inductor

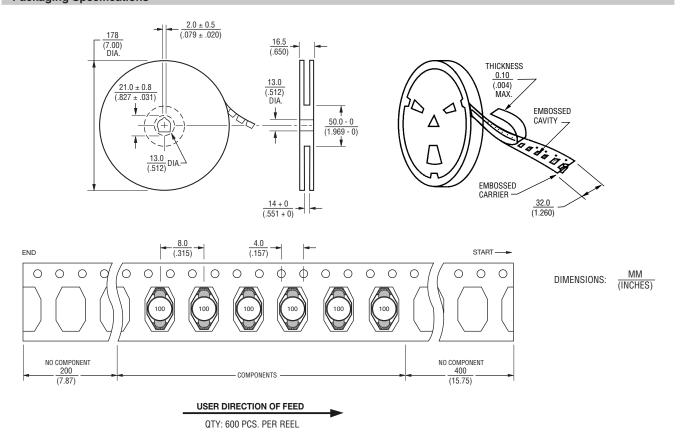
BOURNS®



Electrical Schematic



Packaging Specifications



REV. 03/18

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