

Features

- Formerly J.W. Miller® model
- Magnetic shielding
- High Q characteristic
- High current rating
- RoHS compliant*

Applications

 Prevention of electromagnetic interference to signals on the secondary side of electronic equipment

PM1008S Series - Shielded Wirewound Chip Inductors

Electrical Specifications

Bourns Part No.	Inductance µH (@100 KHz)	Tolerance %	Q min. (@ 1 MHz)	SRF MHz min.	$\begin{array}{c} \mathbf{DCR} \\ \Omega \\ \mathbf{max.} \end{array}$	ldc mA max.
PM1008S-1R0M-RC	1.0	±20	35	344	0.05	3000
PM1008S-1R5M-RC	1.5	±20	35	260	0.06	2800
PM1008S-1R8M-RC	1.8	±20	35	225	0.09	2000
PM1008S-2R7M-RC	2.7	±20	38	185	0.14	1300
PM1008S-3R9M-RC	3.9	±20	38	175	0.26	1200
PM1008S-4R7M-RC	4.7	±20	38	160	0.35	1000
PM1008S-5R6M-RC	5.6	±20	38	150	0.40	1000
PM1008S-6R8M-RC	6.8	±20	38	120	0.60	850
PM1008S-100M-RC	10	±20	38	105	1.0	780
PM1008S-150M-RC	15	±20	38	35	1.2	700
PM1008S-220M-RC	22	±20	40	26	1.4	650
PM1008S-330M-RC	33	±20	45	20	1.6	500
PM1008S-390M-RC	39	±20	45	16	1.9	450
PM1008S-470M-RC	47	±20	45	14	2.5	400
PM1008S-680M-RC	68	±20	45	12	3.8	300
PM1008S-820M-RC	82	±20	45	9	4.2	280
PM1008S-101M-RC	100	±20	45	7	5.8	260
PM1008S-121M-RC	120	±20	50	6	6.2	250
PM1008S-151M-RC	150	±20	50	5.6	7.5	220
PM1008S-221M-RC	220	±20	55	4.5	10.0	210
PM1008S-331M-RC	330	±20	55	3.8	11.5	200
PM1008S-471M-RC	470	±20	55	3.0	16.5	160
PM1008S-561M-RC	560	±20	55	2.8	18.0	130
PM1008S-681M-RC	680	±20	55	2.5	24.0	120
PM1008S-821M-RC	820	±20	45	1.5	26.0	100
PM1008S-102M-RC	1000	±20	45	1.3	30.0	100

General Specifications

Current Rating

.....10 % drop in inductance at Idc Temperature Rise

......15 °C max. at rated current Operating Temperature

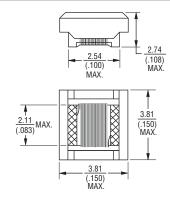
Storage Temperature-40 °C to +85 °C Reflow Soldering230 °C; 50 sec max. Resistance to Soldering Heat

.....260 °C, 5 sec. max.

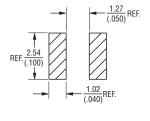
Materials

Core MaterialFerrite
Terminal ElectrodeSn/Ni
Packaging750 pcs. per reel

Product Dimensions



Recommended Pad Layout



DIMENSIONS:

MM (INCHES

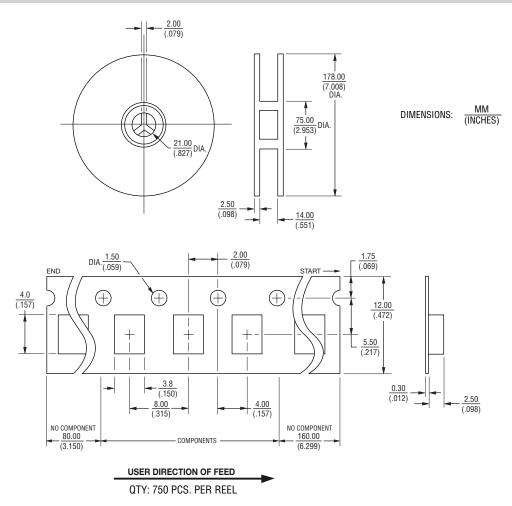


WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

*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

PM1008S Series - Shielded Wirewound Chip Inductors **BOURNS**®

Packaging Specifications



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Users should verify actual device performance in their specific applications.

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