

Features

- Formerly J.W. Miller[®] model
- Available in E6 series
- Unit height of 3.8 mm
- Current up to 7.2 A
- RoHS compliant*

Applications

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

PM104SH Series - Shielded SMD Power Inductors

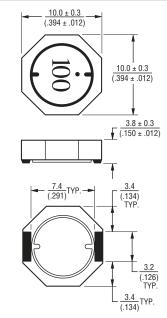
Electrical Specifications

	Inductance 100 kHz		Q	Test Frequency	SRF Min.	RDC	l rms Max.	l sat Typ.
Bourns Part No.	(µH)	Tol. %	Ref.	(MHz)	(MHz)	(mΩ)	(A)	(A)
PM104SH-1R5-RC	1.5	± 30	14	7.96	65.0	5.2	7.20	7.00
PM104SH-2R5-RC	2.5	± 30	12	7.96	50.0	12.5	6.10	6.00
PM104SH-3R8-RC	3.8	± 30	14	7.96	35.0	15.0	5.50	5.50
PM104SH-5R2-RC	5.2	± 30	12	7.96	30.0	22.0	4.60	4.80
PM104SH-7R0-RC	7.0	± 30	13	7.96	36.0	35.0	3.90	4.00
PM104SH-100-RC	10.0	± 30	24	7.96	20.0	25.0	3.80	3.60
PM104SH-150-RC	15.0	± 30	24	2.52	16.0	37.0	2.80	2.70
PM104SH-220-RC	22.0	± 30	20	2.52	12.0	55.8	2.20	2.30
PM104SH-330-RC	33.0	± 30	22	2.52	10.0	86.0	1.80	1.80
PM104SH-470-RC	47.0	± 30	22	2.52	8.0	121.0	1.65	1.60
PM104SH-680-RC	68.0	± 30	24	2.52	7.0	166.0	1.10	1.30
PM104SH-101-RC	100.0	± 30	24	0.796	6.0	220.0	1.30	1.10
PM104SH-151-RC	150.0	± 30	20	0.796	5.0	358.0	0.90	0.80
PM104SH-221-RC	220.0	± 30	22	0.796	4.0	565.0	0.65	0.65
PM104SH-331-RC	330.0	± 30	20	0.796	3.0	773.0	0.55	0.52

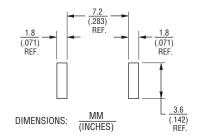
General Specifications

Reflow Solde Operating Ter	
Storage Temp	Temperature rise included) erature40 °C to +125 °C Soldering Heat
Moisture Sens	260 °C for 10 sec. sitivity Level2 ation (HBM)N/A
Materials	
Core Wire Base Terminal	Ferrite DR and RI core Enameled copper LCP E4008 Ag/Ni/Sn
Core Wire Base Terminal Rated Curren	Enameled copper LCP E4008 Ag/Ni/Sn t . Ind. drop 35 % typ. at Isat

Product Dimensions

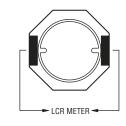


Recommended Layout



Electrical Schematic

Inductor Connection



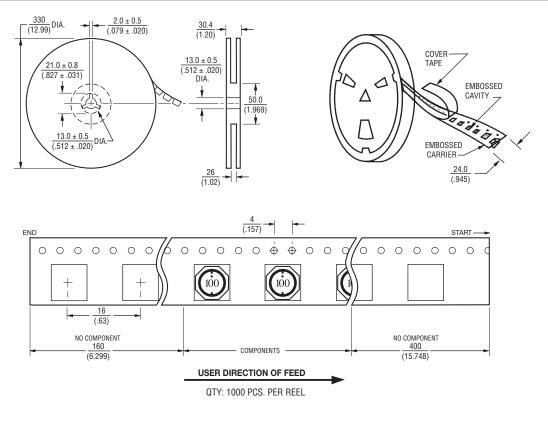


* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific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

PM104SH Series - Shielded SMD Power Inductors

BOURNS

Packaging Specifications



DIMENSIONS: MM (INCHES)

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