

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

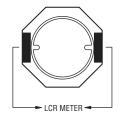
Electrical Specifications

	Inductance 100 kHz		Q	Test	SRF Min.	RDC	I rms Max.	l sat
Bourns Part No.	(μH)	Tol. %	Ref.	Frequency (MHz)	(MHz)	mΩ)	(A)	Typ. (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

Electrical Schematic



Inductor Connection



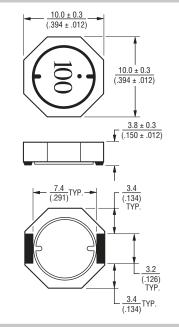
General Specifications

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

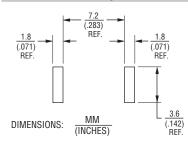
Materials

Core	Ferrite DR and RI core			
Wire	Enameled copper			
Base	LCP E4008			
Terminal	Ag/Ni/Sn			
Rated Current				
Ind	d. drop 35 % typ. at Isat			
Temperature Rise				
4	0 °C max. at rated Irms			
Packaging	1000 pcs. per reel			

Product Dimensions



Recommended Layout





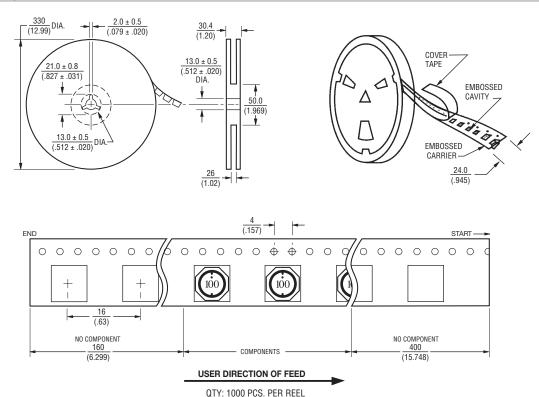
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

*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

PM104SH Series - Shielded SMD Power Inductors

BOURNS

Packaging Specifications



DIMENSIONS: $\frac{MM}{(INCHES)}$

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