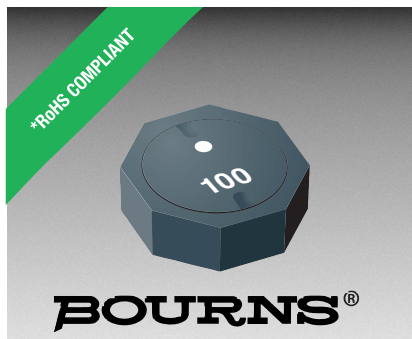




Features

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

Additional Information

Click these links for more information:



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INVENTORY



SAMPLES



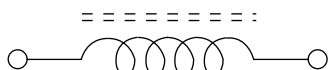
CONTACT

PM104SH Series - Shielded SMD Power Inductors

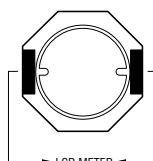
Electrical Specifications

Bourns Part No.	Inductance 100 kHz		Q Ref.	Test Frequency (MHz)	SRF Typ. (MHz)	RDC Typ. (mΩ)	I rms Max. (A)	I sat Typ. (A)
	(μH)	Tol. %						
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	1.85	1.90
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

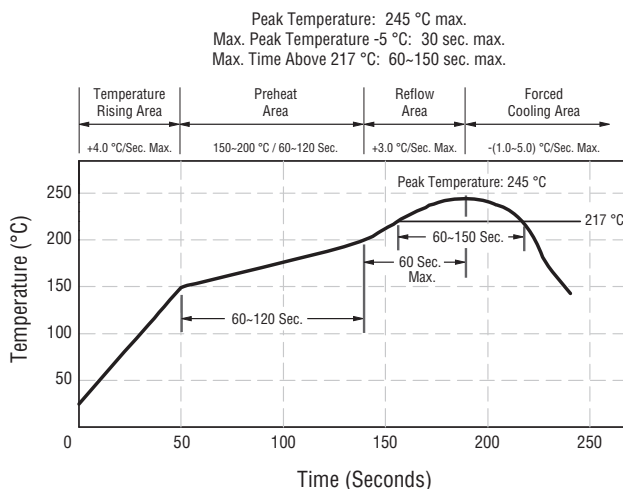
Electrical Schematic



Inductor Connection



Soldering Profile



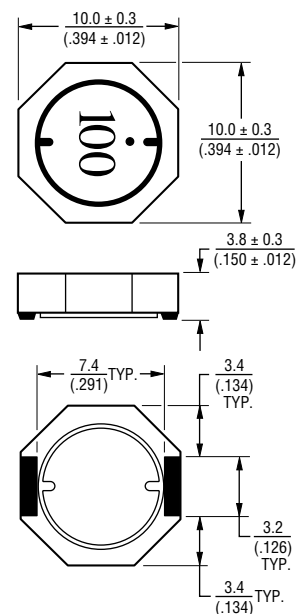
General Specifications

Test Voltage.....1 V
Operating Temp.....-40 °C to +125 °C
(Temperature rise included)
Storage Temperature .. -40 °C to +125 °C
Moisture Sensitivity Level.....1
ESD Classification (HBM).....N/A

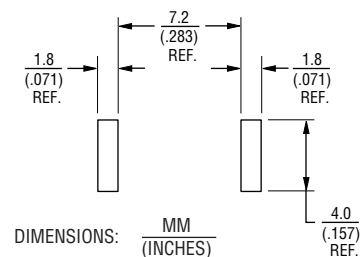
Materials

Core.....Ferrite DR and RI core
Wire.....Enameled copper
Base.....LCP E4008
Terminal Finish.....SnAgCu
Rated Current
.....Ind. drop 35 % typ. at Isat
Temperature Rise
.....40 °C max. at rated I rms
Packaging.....1000 pcs. per reel

Product Dimensions



Recommended Layout



CALIFORNIA WARNING: Can expose you to lead, a carcinogen and reproductive toxicant.
See www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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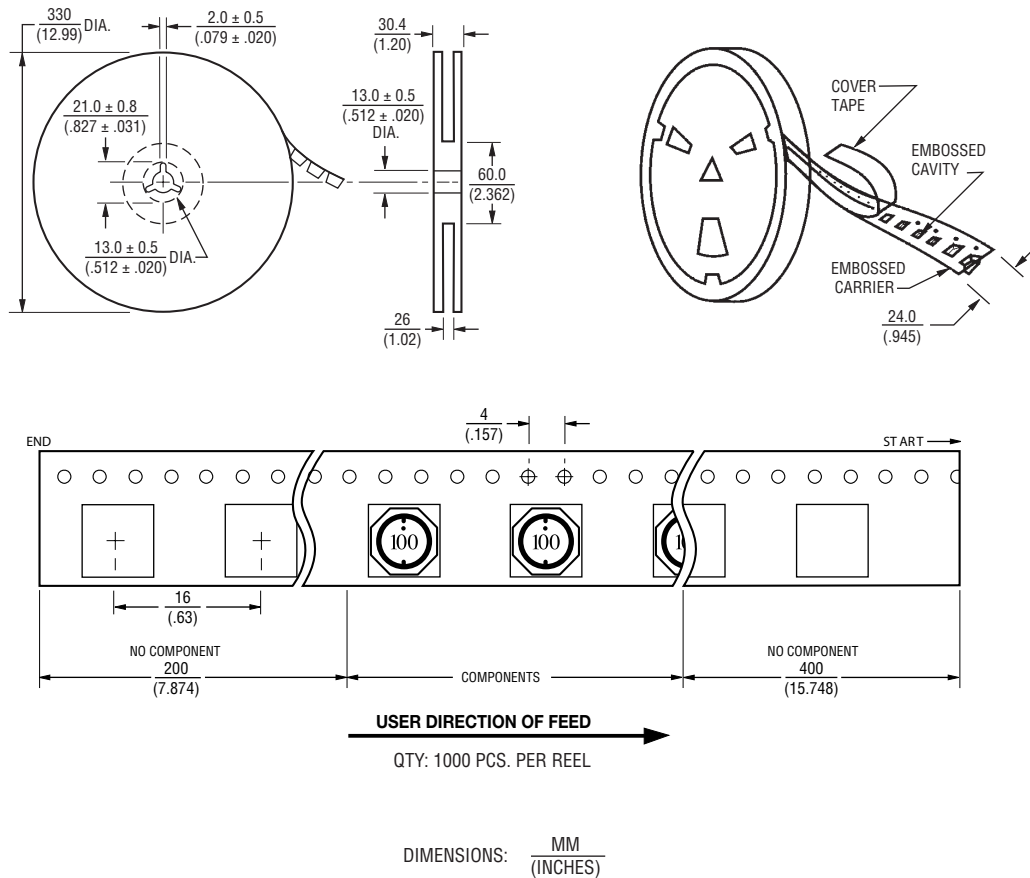
Applications

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

PM104SH Series - Shielded SMD Power Inductors

BOURNS®

Packaging Specifications



REV. 02/26

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

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