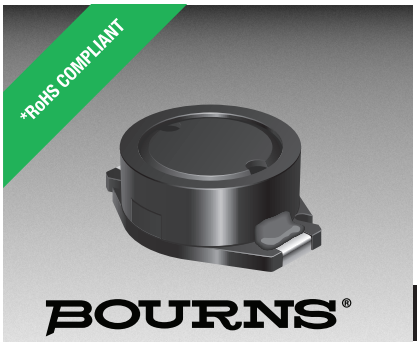


Features

- Formerly J.W. Miller® model
- Available in E12 series
- Unit height of 5.2 mm
- Current up to 4.5 A
- RoHS compliant*

Applications

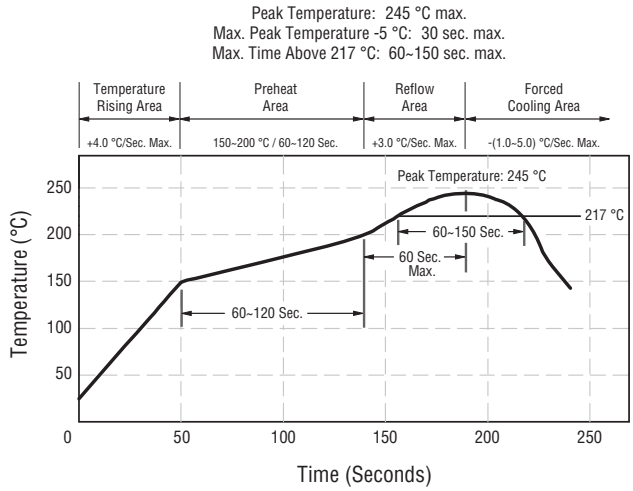
- Input/output of DC-DC converters
- Power supplies for:
  - Portable communication equipment
  - Camcorders
  - LCD TVs

PM3316S Series - Shielded Power Inductors

Electrical Specifications

Bourns Part No.	Inductance 1 kHz (µH)	Inductance 1 kHz Tol. %	Q Ref.	Test Frequency (Hz)	SRF Min. (MHz)	RDC (Ω)	Irms Typ. (A)	Isat Typ. (A)
PM3316S-1R0M-RC	1.0	± 20	25	7.96M	120	0.017	5.80	11.00
PM3316S-1R5M-RC	1.5	± 20	25	7.96M	100	0.020	5.30	9.00
PM3316S-2R2M-RC	2.2	± 20	25	7.96M	90.0	0.027	4.70	7.70
PM3316S-3R3M-RC	3.3	± 20	25	7.96M	75.0	0.039	4.70	6.50
PM3316S-4R7M-RC	4.7	± 20	25	7.96M	50.0	0.040	3.40	5.40
PM3316S-6R8M-RC	6.8	± 20	22	7.96M	35.0	0.075	3.00	4.20
PM3316S-100M-RC	10	± 20	48	2.52M	30.0	0.065	2.70	3.70
PM3316S-150M-RC	15	± 20	40	2.52M	20.0	0.085	2.30	3.00
PM3316S-220M-RC	22	± 20	42	2.52M	18.0	0.100	2.00	2.60
PM3316S-330M-RC	33	± 20	40	2.52M	15.0	0.160	1.60	2.10
PM3316S-470M-RC	47	± 20	35	2.52M	12.0	0.190	1.43	1.80

Soldering Profile



Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

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. The device characteristics and parameters in this data sheet can and do vary in different applications and actual device 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.

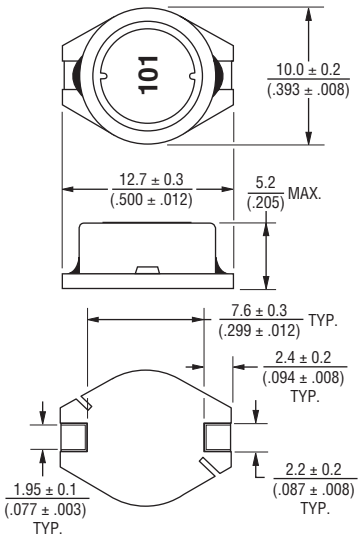
General Specifications

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

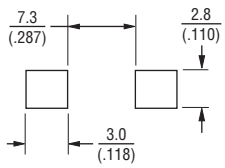
Materials

Core.....Ferrite DR and RI core
Wire .....Enameled copper
Base .....DAP
Terminal Finish .....Sn
Rated Current
.....Ind. drop 10 % typ. at Isat
Temp. Rise.....40 °C typ. at rated Irms
Packaging.....500 pcs. per reel

Product Dimensions



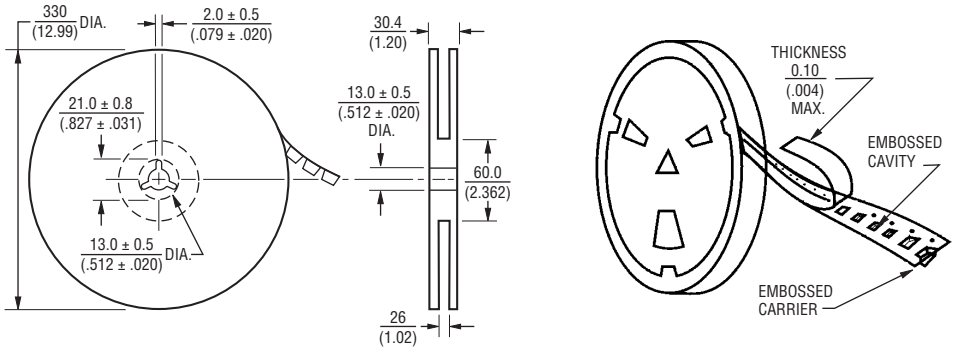
Recommended Layout

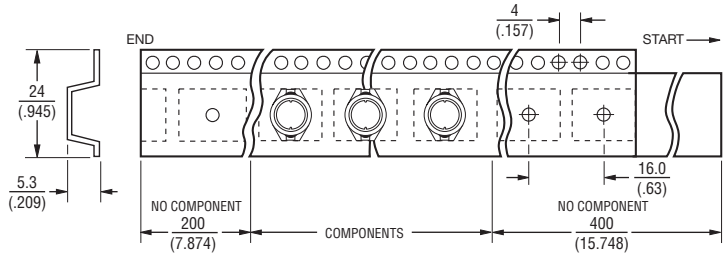


DIMENSIONS: MM (INCHES)

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Packaging Specifications





QTY: 500 PCS. PER REEL

DIMENSIONS: MM / (INCHES)

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Users should verify actual device performance in their specific applications.
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