



BOURN'S®

Features

- Formerly **J.W. Miller®** model
- Height of 3.0 mm max.
- Current rating up to 2.0 A
- RoHS compliant*

Applications

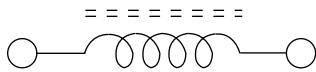
- Input/output of DC/DC converters
- Industrial electronics
- Power supplies for:
 - Portable communications equipment
 - Camcorders
 - LCD TVs

PM3308 Series - SMD Power Inductors

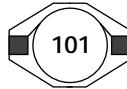
Electrical Specifications

| Bourns Part No. | Inductance 100 kHz | | Test Frequency (MHz) | DCR Max. (Ω) | Irms (A) | Isat (A) |
|-----------------|--------------------|----------|----------------------|--------------|----------|----------|
| | (μH) | Tol. (%) | | | | |
| PM3308-100M-RC | 10 | ±20 | 2.52 | 0.11 | 2.00 | 2.40 |
| PM3308-150M-RC | 15 | ±20 | 2.52 | 0.15 | 1.50 | 2.00 |
| PM3308-220M-RC | 22 | ±20 | 2.52 | 0.23 | 1.30 | 1.60 |
| PM3308-330M-RC | 33 | ±20 | 2.52 | 0.30 | 1.10 | 1.40 |
| PM3308-470M-RC | 47 | ±20 | 2.52 | 0.39 | 0.80 | 1.00 |
| PM3308-680M-RC | 68 | ±20 | 2.52 | 0.7 | 0.70 | 0.90 |
| PM3308-101M-RC | 100 | ±20 | 0.796 | 0.8 | 0.60 | 0.70 |
| PM3308-151M-RC | 150 | ±20 | 0.796 | 1.2 | 0.50 | 0.60 |
| PM3308-221M-RC | 220 | ±20 | 0.796 | 1.9 | 0.40 | 0.50 |
| PM3308-331M-RC | 330 | ±20 | 0.796 | 2.7 | 0.30 | 0.40 |
| PM3308-471M-RC | 470 | ±20 | 0.796 | 4.0 | 0.20 | 0.30 |
| PM3308-681M-RC | 680 | ±20 | 0.796 | 5.3 | 0.10 | 0.20 |
| PM3308-102M-RC | 1000 | ±20 | 0.252 | 8.4 | 0.05 | 0.10 |

Electrical Schematic



Typical Part Marking



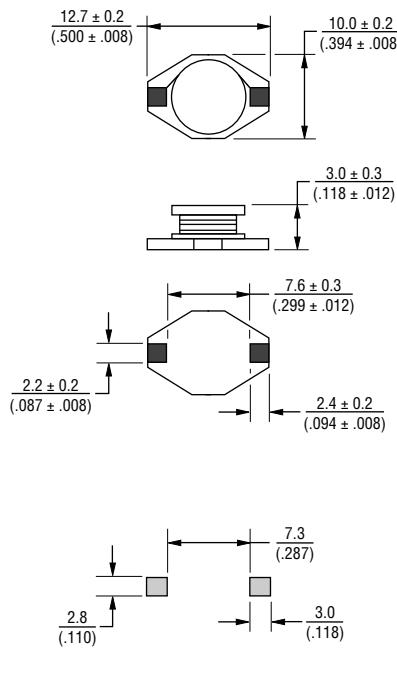
General Specifications

| | | |
|----------------------------|-------|--|
| Test Voltage | ..... | 0.1 V |
| Operating Temperature | ..... | -40 °C to +125 °C (Temperature rise included) |
| Storage Temperature | ..... | -40 °C to +125 °C |
| Moisture Sensitivity Level | ..... | 2 |
| ESD Classification (HBM) | ..... | N/A |

Materials

| | | |
|------------------|-------|-----------------------------|
| Core | ..... | Ferrite |
| Wire | ..... | Enamelled copper |
| Terminal | ..... | Sn/Ni/Cu |
| Rated Current | ..... | Ind. drop 10 % typ. at Isat |
| Temperature Rise | ..... | 30 °C typical at Irms |
| Packaging | ..... | 1000 pcs. per reel |

Product Dimensions



DIMENSIONS: **MM (INCHES)**



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

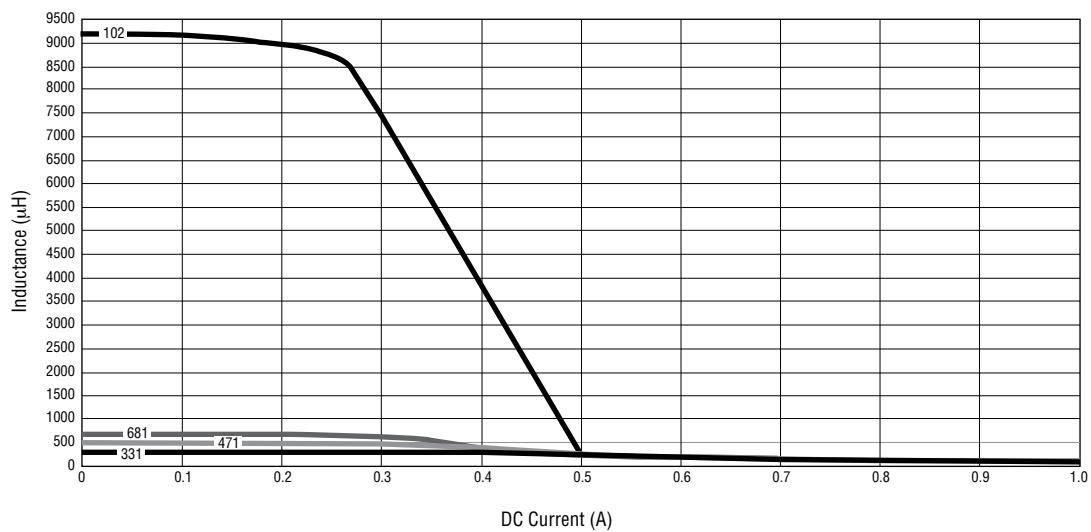
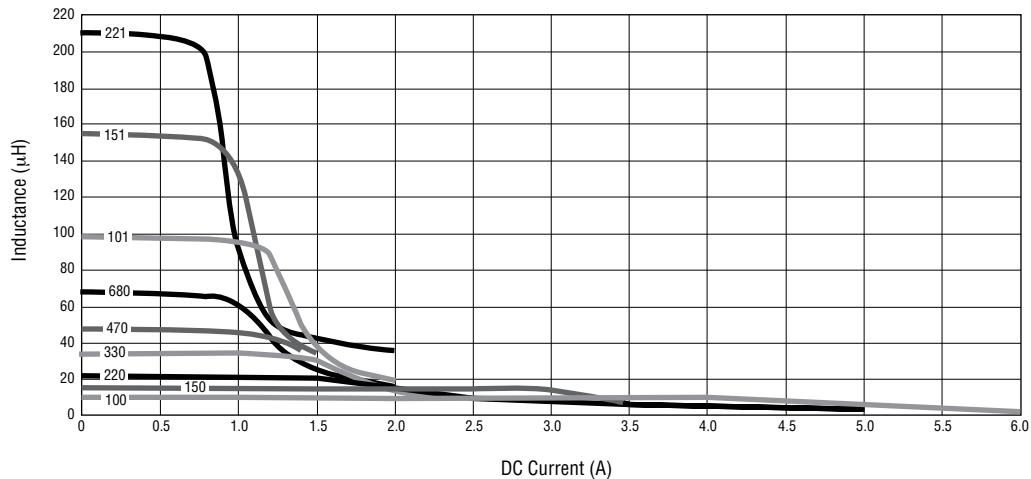
* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

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PM3308 Series - SMD Power Inductors

BOURNS®

Inductance vs. Current



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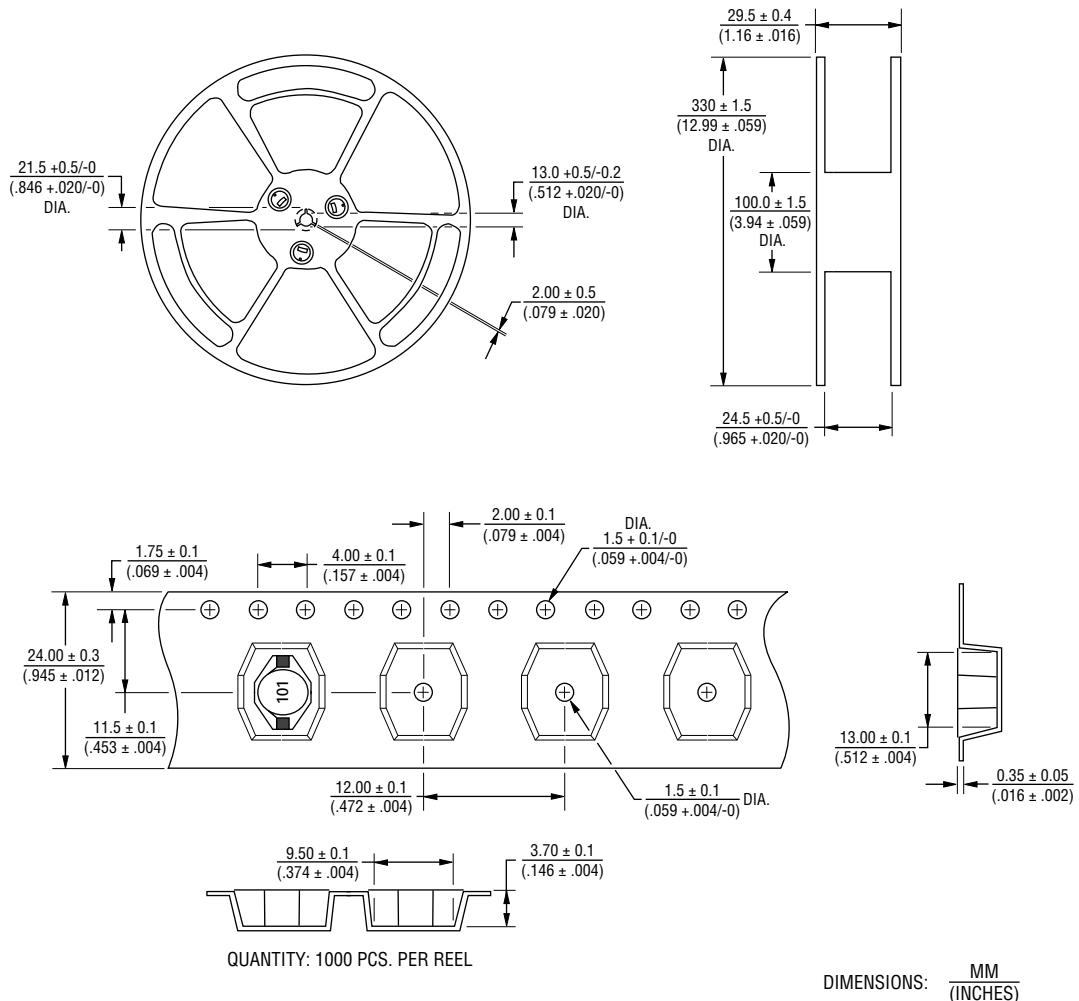
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PM3308 Series - SMD Power Inductors

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Packaging Specifications



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REV. 11/19

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