



Features

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



This series is currently available but not recommended for new designs.

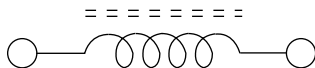
BOURNS®

PM3308 Series - SMD Power Inductors

Electrical Specifications

Bourns Part No.	Inductance 100 kHz		Test Frequency (MHz)	DCR Max. (Ω)	I _{rms} (A)	I _{sat} (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



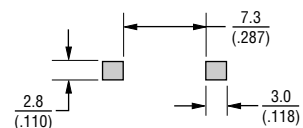
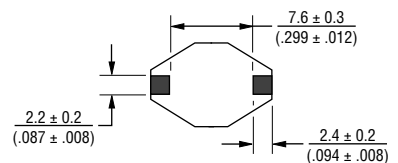
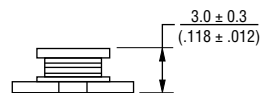
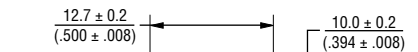
General Specifications

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 Enameled copper
 Terminal Sn/Ni/Cu
 Rated Current Ind. drop 10 % typ. at I_{sat}
 Temperature Rise 30 °C typical at I_{rms}
 Packaging 1000 pcs. per reel

Product Dimensions



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



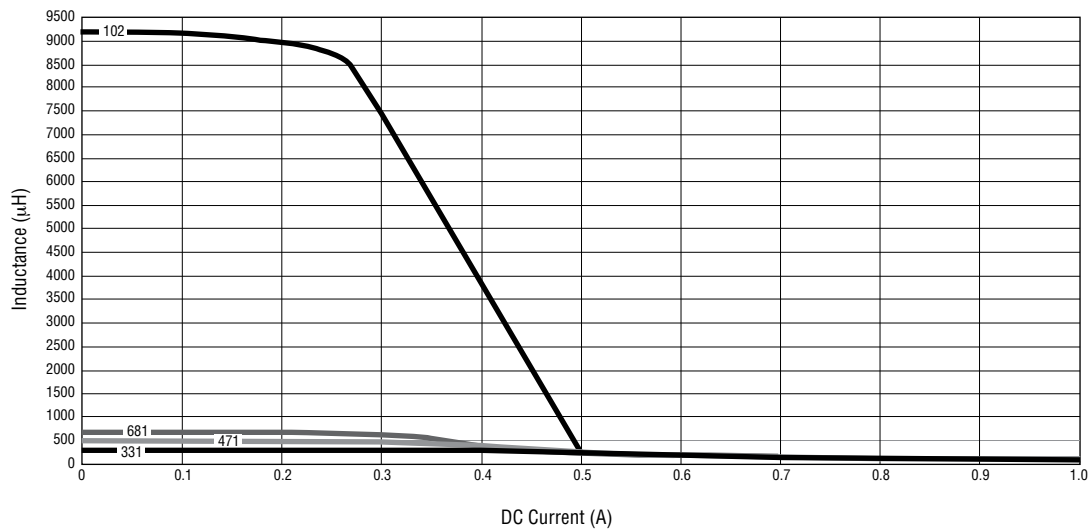
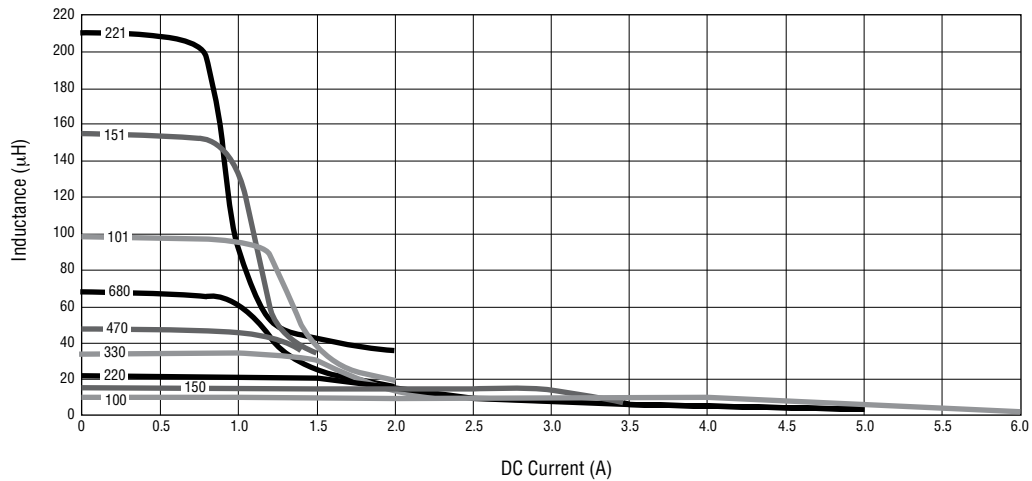
WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
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PM3308 Series - SMD Power Inductors

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Inductance vs. Current



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Technical drawing of a 1000 PCS PER REEL, showing dimensions in inches and millimeters.

Top View Dimensions:

- Overall Diameter: $21.5 \pm 0.5/-0$ (.846 $\pm$.020/-0) DIA.
- Inner Hole Diameter: $13.0 \pm 0.5/-0.2$ (.512 $\pm$.020/-0) DIA.
- Spoke Width: 2.00 ± 0.5 (.079 $\pm$.020)

Side View Dimensions:

- Overall Thickness: 29.5 ± 0.4 (1.16 $\pm$.016)
- Top Flange Thickness: 330 ± 1.5 (12.99 $\pm$.059) DIA.
- Inner Hole Depth: 100.0 ± 1.5 (3.94 $\pm$.059) DIA.
- Bottom Flange Thickness: $24.5 \pm 0.5/-0$ (.965 $\pm$.020/-0)

Bottom View Dimensions:

- Overall Width: 24.00 ± 0.3 (.945 $\pm$.012)
- Inner Hole Diameter: 11.5 ± 0.1 (.453 $\pm$.004)
- Spoke Width: 1.75 ± 0.1 (.069 $\pm$.004)
- Inner Hole Diameter: 4.00 ± 0.1 (.157 $\pm$.004)
- Spoke Width: 2.00 ± 0.1 (.079 $\pm$.004)
- Inner Hole Diameter: $1.5 \pm 0.1/-0$ (.059 $\pm$.004/-0) DIA.
- Spoke Width: 12.00 ± 0.1 (.472 $\pm$.004)
- Inner Hole Diameter: 1.5 ± 0.1 (.059 $\pm$.004/-0) DIA.
- Spoke Width: 9.50 ± 0.1 (.374 $\pm$.004)
- Spoke Width: 3.70 ± 0.1 (.146 $\pm$.004)

Cross-sectional View Dimensions:

- Overall Thickness: 13.00 ± 0.1 (.512 $\pm$.004)
- Inner Hole Diameter: 0.35 ± 0.05 (.016 $\pm$.002)

Quantity: 1000 PCS. PER REEL

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

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