



Features

- Formerly *J.W. Miller* model
- Height of 11.5 mm max.
- Current rating up to 3.5 A
- RoHS compliant*

Applications

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

PM3340 Series - SMD Power Inductors

Electrical Specifications

Bourns Part No.	Inductance 100 kHz		Test Frequency (MHz)	DCR Max. (Ω)	I _{rms} (A)	I _{sat} (A)
	(μ H)	Tol. (%)				
PM3340-100M-RC	10	±20	2.52	0.033	3.50	8.00
PM3340-150M-RC	15	±20	2.52	0.042	3.00	7.00
PM3340-220M-RC	22	±20	2.52	0.054	2.50	5.50
PM3340-330M-RC	33	±20	2.52	0.080	2.00	4.00
PM3340-470M-RC	47	±20	2.52	0.10	1.60	3.80
PM3340-680M-RC	68	±20	2.52	0.17	1.20	3.00
PM3340-101M-RC	100	±20	0.796	0.22	1.20	2.50
PM3340-151M-RC	150	±20	0.796	0.34	0.90	2.00
PM3340-221M-RC	220	±20	0.796	0.44	0.70	1.60
PM3340-331M-RC	330	±20	0.796	0.70	0.60	1.20
PM3340-471M-RC	470	±20	0.796	0.95	0.30	1.00
PM3340-681M-RC	680	±20	0.796	1.20	0.20	1.00
PM3340-102M-RC	1000	±20	0.252	2.00	0.10	0.80

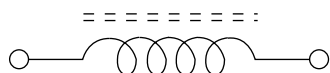
General Specifications

Test Voltage.....0.1 V
 Reflow Soldering230 °C; 50 sec max.
 Operating Temperature ..-55 °C to +125 °C
 (Temperature rise included)
 Storage Temperature...-55 °C to +125 °C
 Resistance to Soldering Heat
260 °C, 10 sec. max.

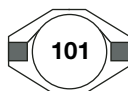
Materials

Core.....Ferrite
 WireEnamelled copper
 Terminal.....Sn/Ni/Cu
 Rated Current
Ind. drop 10 % typ. at I_{sat}
 Temperature Rise
20 °C typical at I_{rms}
 Packaging.....225 pcs. per reel

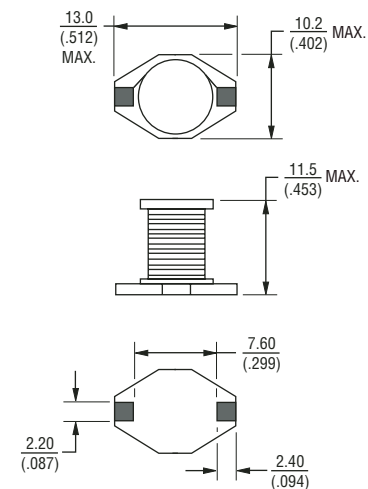
Electrical Schematic



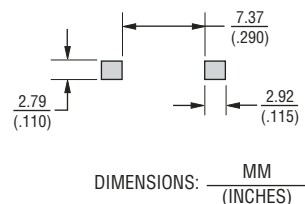
Typical Part Marking



Product Dimensions



Recommended Layout

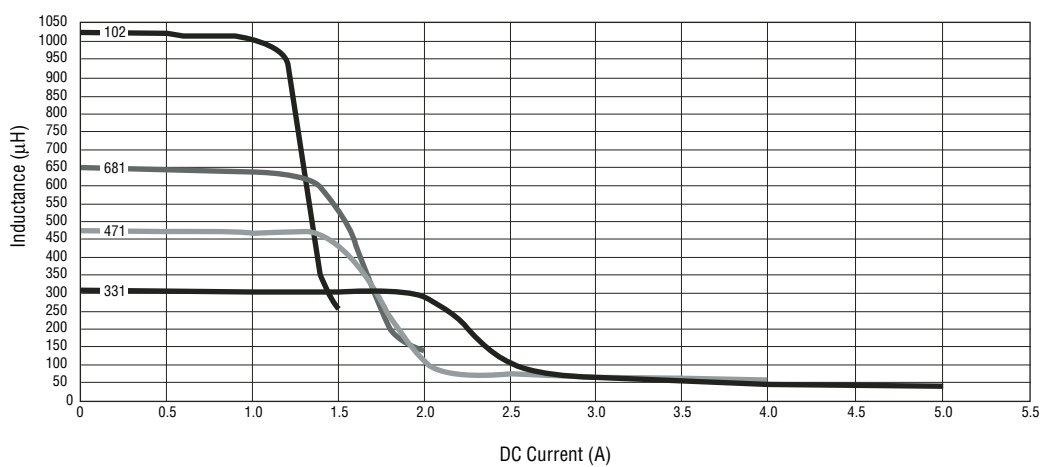
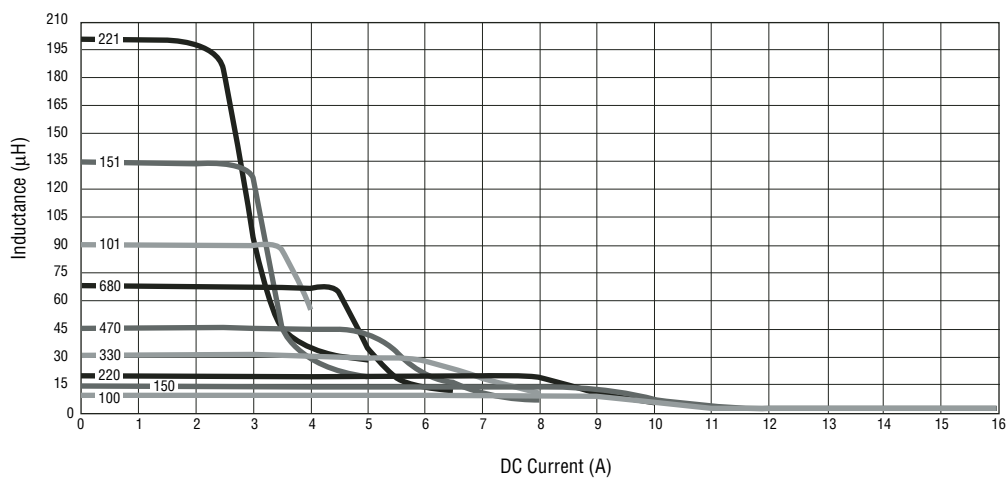


*RoHS Directive 2002/95/EC Jan 27 2003 including Annex
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.

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Inductance vs. Current



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Technical drawing of a 100mm diameter film reel, showing front, side, and detail views with dimensions in millimeters (mm) and inches (inches).

Front View Dimensions:

- Overall Diameter: 100.0 ± 1.5 (3.94 ± .059) DIA.
- Inner Hub Diameter: 37.5 ± 0.4 (1.476 ± .016)
- Inner Hub Diameter: 33.0 ± 1.5 (12.99 ± .059) DIA.
- Inner Hub Diameter: 100.0 ± 1.5 (3.94 ± .059) DIA.
- Inner Hub Diameter: $32.5 \pm 0.5/0$ (1.280 ± .020/-0)
- Inner Hub Diameter: $21.5 \pm 0.5/0$ (.846 ± .020/-0) DIA.
- Inner Hub Diameter: $13.0 \pm 0.5/-0.2$ (.512 ± .020/-0) DIA.
- Inner Hub Diameter: 2.00 ± 0.5 (.079 ± .020)

Side View Dimensions:

- Overall Width: 11.3 ± 0.1 (.445 ± .004)
- Overall Width: 13.25 ± 0.1 (.522 ± .004)
- Overall Width: 0.40 ± 0.05 (.016 ± .002)

Detail View Dimensions:

- Overall Width: 9.70 ± 0.1 (.382 ± .004)

Units:

MM
(INCHES)

QTY: 225 PCS. PER REEL

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