



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## 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 <sub>rms</sub> (A)	I <sub>sat</sub> (A)
	(μH)	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

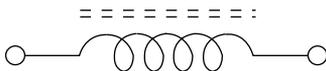
### General Specifications

Test Voltage ..... 0.1 V  
 Reflow Soldering ... 230 °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  
 Wire ..... Enameled copper  
 Terminal ..... Sn/Ni/Cu  
 Rated Current  
 ..... Ind. drop 10 % typ. at I<sub>sat</sub>  
 Temperature Rise  
 ..... 30 °C typical at I<sub>rms</sub>  
 Packaging ..... 225 pcs. per reel

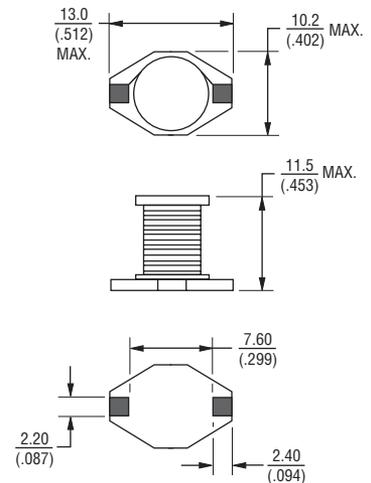
### Electrical Schematic



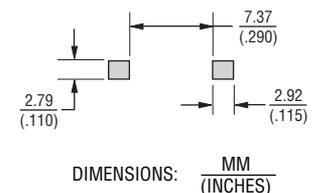
### Typical Part Marking



### Product Dimensions



### Recommended Pad Layout

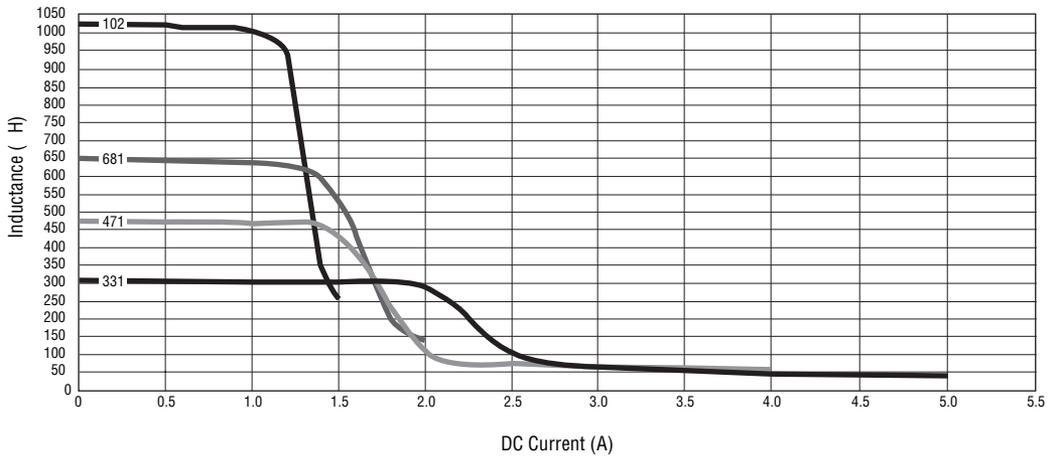
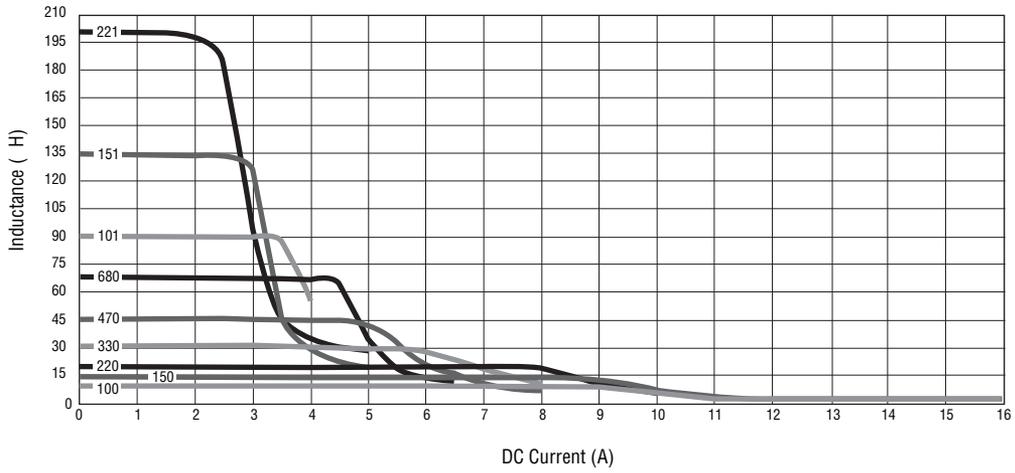


\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

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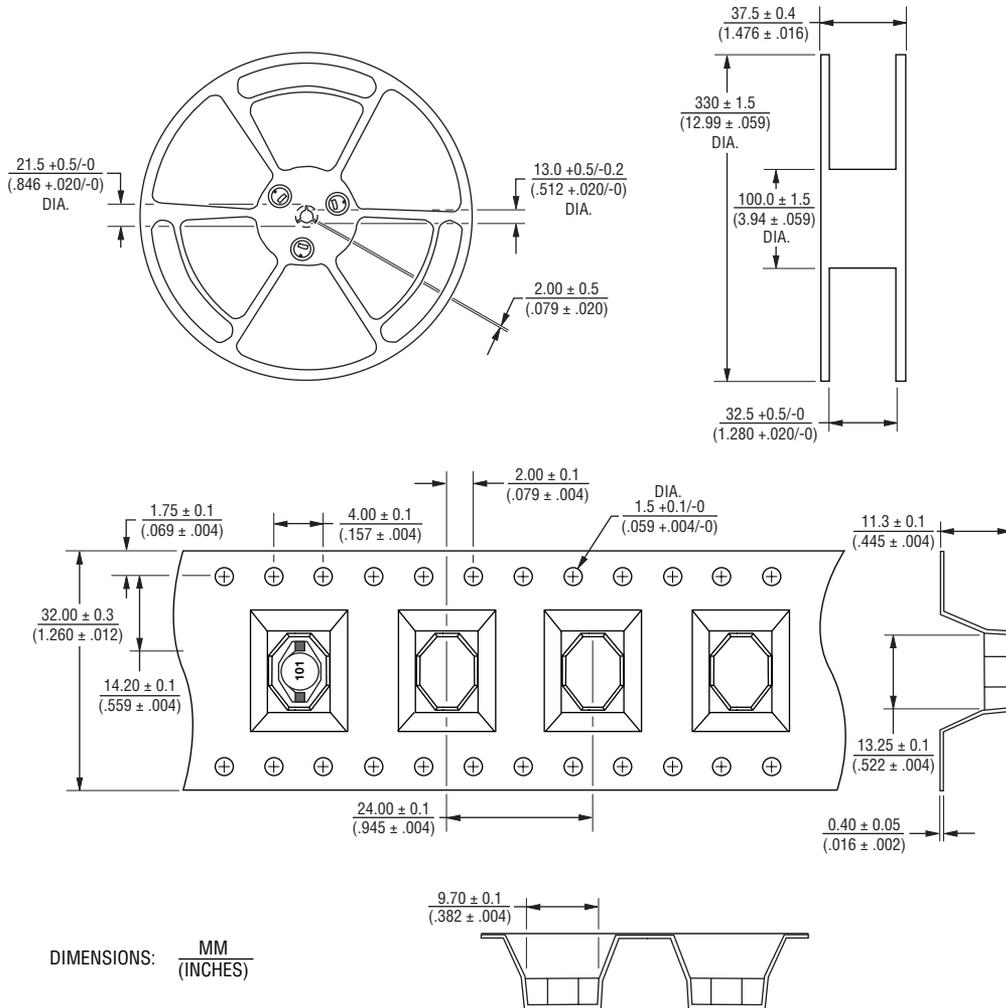
## Inductance vs. Current



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**BOURNS®**

## Packaging Specifications



QUANTITY: 225 PCS. PER REEL

01/08

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