

# PM3316-331M Datasheet



DiGi Electronics Part Number	PM3316-331M-DG
Manufacturer	<a href="#">Bourns Inc.</a>
Manufacturer Product Number	PM3316-331M
Description	FIXED IND 330UH 600MA 1.02OHM SM
Detailed Description	330 $\mu$ H Unshielded Drum Core, Wirewound Inductor 600 mA 1.02Ohm Nonstandard

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## Purchase and inquiry

Manufacturer Product Number:

PM3316-331M

Series:

PM3316

Type:

Drum Core, Wirewound

Inductance:

330  $\mu$ H

Current Rating (Amps):

600 mA

Shielding:

Unshielded

Q @ Freq:

-

Ratings:

-

Inductance Frequency - Test:

100 kHz

Package / Case:

Nonstandard

Size / Dimension:

0.500" L x 0.394" W (12.70mm x 10.00mm)

Base Product Number:

PM3316

Manufacturer:

Bourns Inc.

Product Status:

Obsolete

Material - Core:

Ferrite

Tolerance:

$\pm$ 20%

Current - Saturation (Isat):

600mA

DC Resistance (DCR):

1.020hm

Frequency - Self Resonant:

-

Operating Temperature:

-55°C ~ 105°C

Mounting Type:

Surface Mount

Supplier Device Package:

-

Height - Seated (Max):

0.209" (5.30mm)

## Environmental & Export classification

RoHS Status:

RoHS non-compliant

REACH Status:

REACH Unaffected

HTSUS:

8504.50.4000

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

## SMT Power Inductors

### Special Features

- High current capacity
- High reliability
- Low DCR
- Ferrite bobbin core
- Compact size
- High heat resistance, ideal for reflow soldering
- Test frequency 100KHz
- Operating temperature -55 to +105°C
- Tape & reel packaged 500/reel

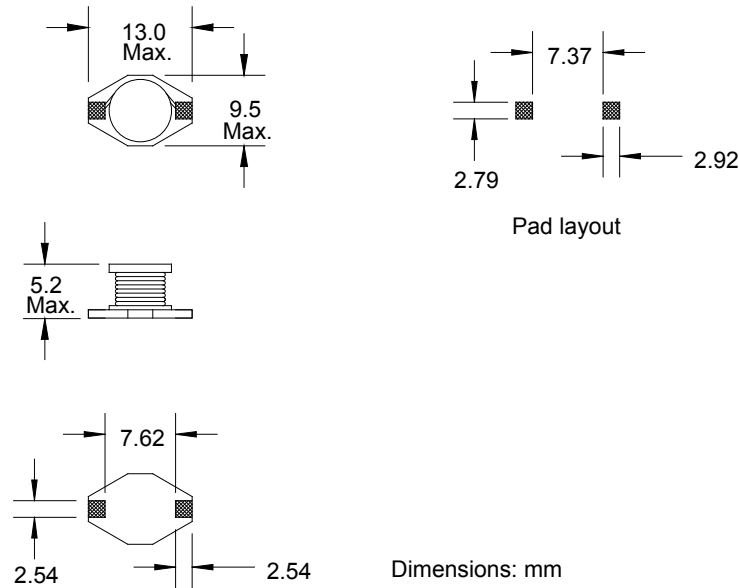
### Notes

\* Saturation DC current to cause 10% max. inductance drop

\*\* Rms current to cause 15°C max. temperature rise

PM3316 Series				
Part Number	L (uH) ±20%	DCR (Ω) Max.	I, sat.* (A)	I, rms** (A)
PM3316-1R0M	1.0	0.009	9.0	6.8
PM3316-1R5M	1.5	0.010	8.0	6.4
PM3316-2R2M	2.2	0.012	7.0	6.1
PM3316-3R3M	3.3	0.015	6.4	5.4
PM3316-4R7M	4.7	0.018	5.4	4.8
PM3316-6R8M	6.8	0.027	4.6	4.4
PM3316-100M	10	0.038	3.8	3.9
PM3316-150M	15	0.046	3.0	3.1
PM3316-220M	22	0.085	2.6	2.7
PM3316-330M	33	0.10	2.0	2.1
PM3316-470M	47	0.14	1.6	1.8
PM3316-680M	68	0.20	1.4	1.5
PM3316-101M	100	0.28	1.2	1.3
PM3316-151M	150	0.40	1.0	1.0
PM3316-221M	220	0.61	0.8	0.8
PM3316-331M	330	1.02	0.6	0.6
PM3316-471M	470	1.27	0.5	0.5
PM3316-681M	680	2.02	0.4	0.4
PM3316-102M	1000	3.00	0.3	0.3

Also available as RoHS compliant.



**J.W. Miller**  
MAGNETICS

306 E. Alondra Blvd. Gardena, CA 90247-1059 • Phone (310) 515-1720 • FAX (310) 515-1962

www.jwmiller.com

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