

Features

- Formerly J.W.Miller[®] model
- Available in E12 series
- Small design of only 7.8 mm maximum diameter
- RoHS compliant*

Applications

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

PM75 Series - SMD Power Inductor

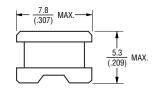
Electrical Specifications

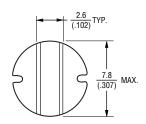
	Inductar	ice 1 kHz	Q	Test Frequency	SRF Min.	RDC	l rms Max.	l sat Typ.
Bourns Part No.	(µH)	Tol. %	Ref.	(MHz)	(MHz)	(Ω)	(A)	(A)
PM75-100K-RC	10	± 10	25	2.52	22	0.07	2.30	3.20
PM75-120K-RC	12	± 10	25	2.52	20	0.08	2.00	3.00
PM75-150K-RC	15	± 10	25	2.52	16	0.09	1.80	2.70
PM75-180K-RC	18	± 10	20	2.52	15	0.10	1.60	2.60
PM75-220K-RC	22	± 10	20	2.52	13	0.11	1.50	2.30
PM75-270K-RC	27	± 10	20	2.52	12	0.12	1.30	2.10
PM75-330K-RC	33	± 10	15	2.52	10	0.14	1.20	1.90
PM75-390K-RC	39	± 10	15	2.52	10	0.16	1.10	1.70
PM75-470K-RC	47	± 10	15	2.52	9	0.20	1.00	1.60
PM75-560K-RC	56	± 10	15	2.52	9	0.24	0.94	1.50
PM75-680K-RC	68	± 10	15	2.52	8	0.30	0.85	1.30
PM75-820K-RC	82	± 10	12	2.52	7	0.37	0.78	1.20
PM75-101K-RC	100	± 10	12	0.796	7	0.45	0.72	1.10
PM75-121K-RC	120	±10	12	0.796	7	0.48	0.68	1.00
PM75-151K-RC	150	± 10	12	0.796	6	0.68	0.58	0.85
PM75-181K-RC	180	± 10	12	0.796	6	0.77	0.51	0.80
PM75-221K-RC	220	±10	12	0.796	5	0.96	0.49	0.80
PM75-271K-RC	270	± 10	12	0.796	5	1.11	0.42	0.66
PM75-331K-RC	330	± 10	12	0.796	5	1.26	0.40	0.58
PM75-391K-RC	390	± 10	12	0.796	4	1.77	0.36	0.55
PM75-471K-RC	470	± 10	12	0.796	4	1.96	0.34	0.50

General Specifications

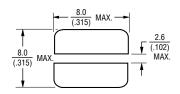
Test Frequency Test Voltage Reflow Soldering 230 Operating Temperature	1 V
Operating remperature	40 °C to ±125 °C
(Temperati Storage Temperature Resistance to Soldering	ure rise included) 40 °C to +125 °C 1 Heat
Moisture Sensitivity Lev	
ESD Classification (HB	M)N/A
ESD Classification (HB Materials	VI)N/A
	Ferrite DR core leled copper wire
Materials Core WireEnarr Terminal Rated Current Ind. drop	Ferrite DR core leled copper wire Ag/Ni/Sn
Materials Core WireEnarr Terminal Rated Current	Ferrite DR core leled copper wire Ag/Ni/Sn 10 % typ. at Isat nax. at rated Irms

Product Dimensions



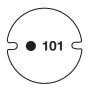


Recommended Layout



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

Typical Part Marking



Electrical Schematic

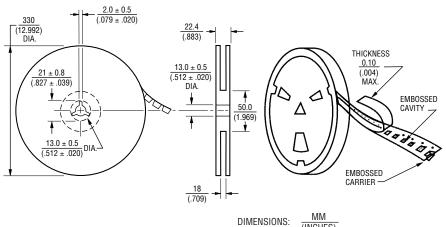


* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific

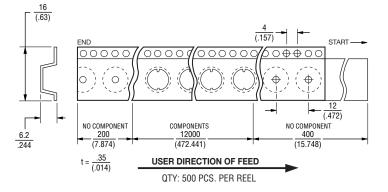
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PM75 Series - SMD Power Inductor

Packaging Specifications



IENSIONS: (INCHES)



Strength of Cover Tape

TOP COVER TAPE -----

165° TO 180° BASE TAPE

The force for tearing off cover tape is 10 to 130 grams in the arrow direction.

BOURNS

Materials

Paper Plastics

REV. 03/18

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Users should verify actual device performance in their specific applications.

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