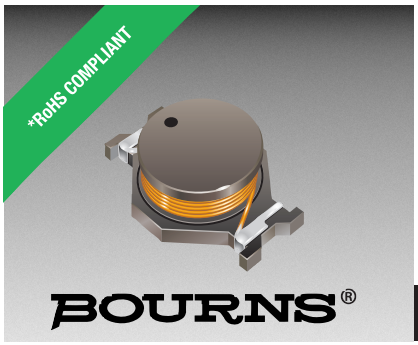


Features

- Formerly J.W. Miller® model
- Low height of only 7.0 mm
- Inductance as low as 0.78 µH
- Current up to 15 amps
- RoHS compliant*

Applications

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

PM5022H Series - SMD Power Inductors

Electrical Specifications

Bourns Part No.	Inductance 100 kHz (µH)	Inductance 100 kHz Tol. %	Q Ref.	Test Frequency (MHz)	SRF Min. (MHz)	RDC (mΩ)	Irms Max. (A)	Isat Typ. (A)
PM5022H-R78M-RC	0.78	± 20	50	7.96	95.0	2.6	15.0	30.0
PM5022H-1R5M-RC	1.5	± 20	50	7.96	65.0	5.0	15.0	25.0
PM5022H-2R2M-RC	2.2	± 20	45	7.96	45.0	7.5	13.0	20.0
PM5022H-3R3M-RC	3.3	± 20	35	7.96	40.0	9.36	9.0	17.0
PM5022H-3R9M-RC	3.9	± 20	40	7.96	30.0	12.0	9.0	15.0
PM5022H-4R7M-RC	4.7	± 20	35	7.96	35.0	10.56	8.5	15.0
PM5022H-6R0M-RC	6.0	± 20	30	7.96	25.0	17.0	7.5	12.0
PM5022H-7R8M-RC	7.8	± 20	25	7.96	20.0	20.0	7.5	11.0
PM5022H-100M-RC	10	± 20	30	2.52	18.5	20.64	6.5	10.0
PM5022H-150M-RC	15	± 15	35	2.52	16.0	34.56	5.0	9.0

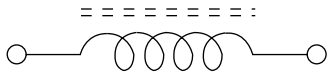
General Specifications

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 1
ESD Classification (HBM) ..... N/A

Materials

Core ..... Ferrite DR
Wire ..... Enameled copper
Terminal Finish ..... SnAgCu
Base ..... Phenolic T375J
Adhesive ..... Epoxy resin
Rated Current
..... Ind. drop 10 % typ. at Isat
Temperature Rise
..... 40 °C max. at rated Irms
Packaging ..... 250 pcs. per reel

Electrical Schematic

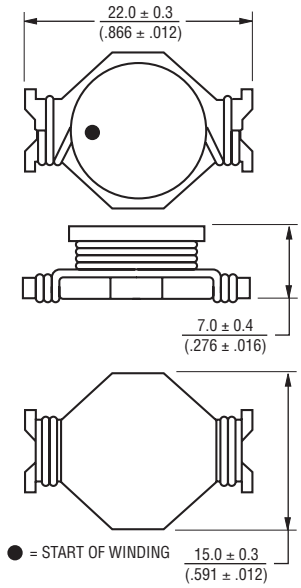


Additional Information

Click these links for more information:

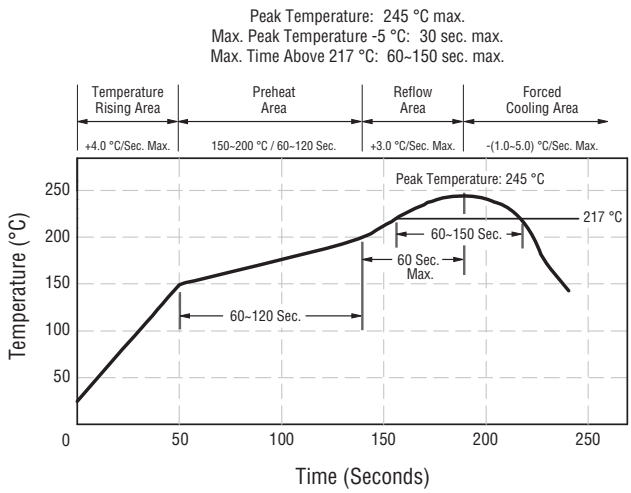
PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

Product Dimensions

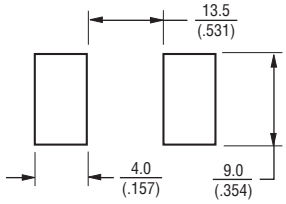


DIMENSIONS: MM (INCHES)

Soldering Profile



Recommended Layout

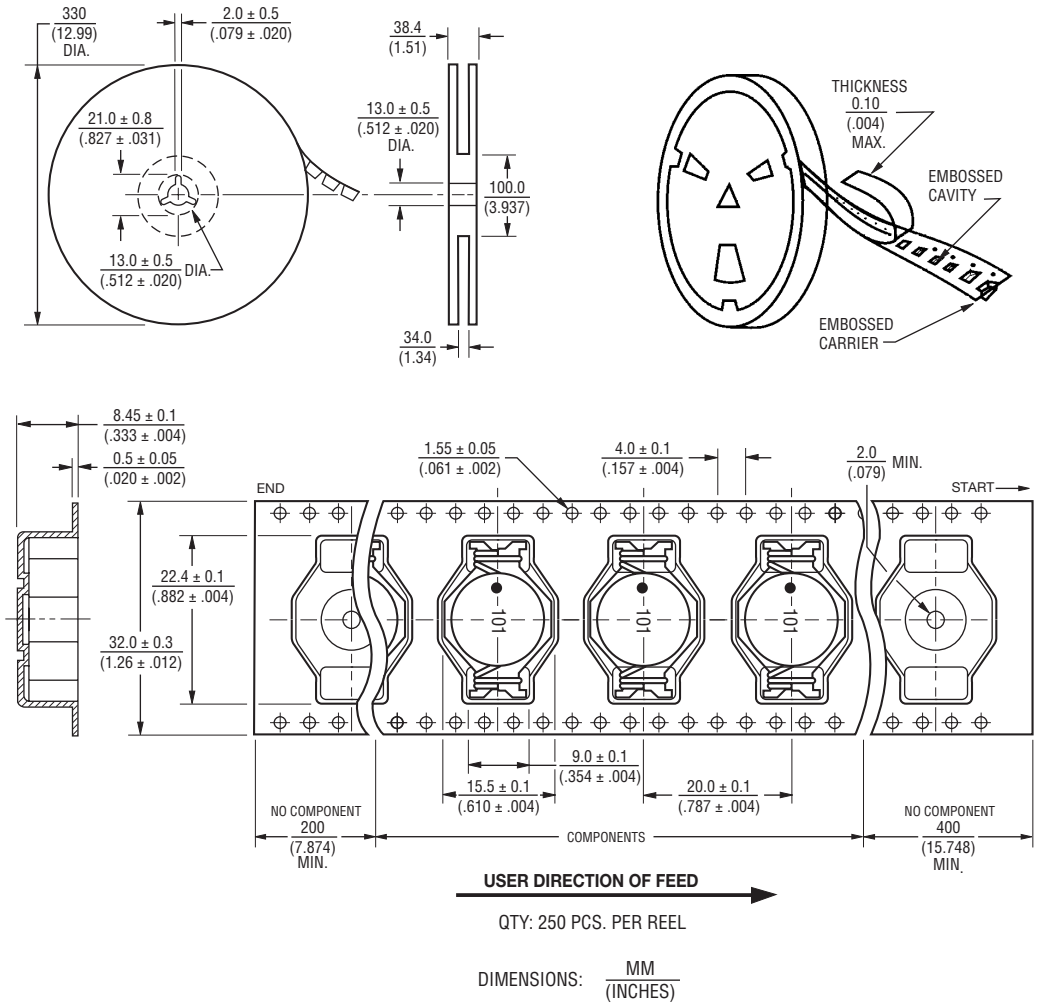


CALIFORNIA WARNING: Can expose you to lead, a carcinogen and reproductive toxicant. See www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
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Packaging Specifications



QTY: 250 PCS. PER REEL

DIMENSIONS: MM / (INCHES)

REV. 03/26

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