

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

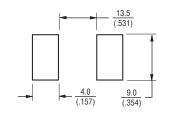
Electrical Specifications

	Inductance 100 kHz		Q	Test Frequency	SRF Min.	RDC	Irms Max.	Isat Typ.
Bourns Part No.	(μH)	Tol. %	Ref.	(MHz)	(MHz)	(mΩ)	(A)	(A)
PM5022H-R78M-RC	0.78	± 20	30	5	104.0	2.6	15.0	30.0
PM5022H-1R5M-RC	1.5	± 20	30	3	60.0	5.0	15.0	25.0
PM5022H-2R2M-RC	2.2	± 20	35	3	51.0	7.5	13.0	20.0
PM5022H-3R3M-RC	3.3	± 20	38	3	39.0	7.8	9.0	17.0
PM5022H-3R9M-RC	3.9	± 20	38	3	36.0	12.0	9.0	15.0
PM5022H-4R7M-RC	4.7	± 20	38	3	33.0	8.8	8.5	15.0
PM5022H-6R0M-RC	6.0	± 20	43	3	28.0	17.0	7.5	12.0
PM5022H-7R8M-RC	7.8	± 20	36	3	26.0	20.0	7.5	11.0
PM5022H-100M-RC	10	± 20	53	5	20.0	17.2	6.5	10.0
PM5022H-150M-RC	15	± 20	38	5	16.0	28.8	5.0	9.0

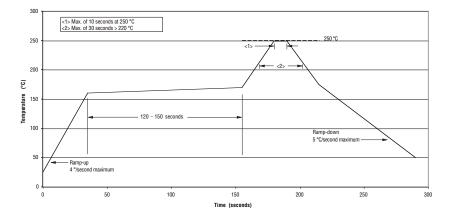
Electrical Schematic



Recommended Layout



Soldering Profile



WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

*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 applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf

General Specifications

Test Voltage......0.1 V
Reflow soldering.... 250 °C; 10 sec max.
(In compliance with JEDEC,
J-STD-020C, Table 4-2)

Operating Temperature

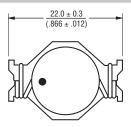
-40 °C to +125 °C (Temperature rise included)

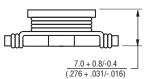
Storage Temperature .. -40 °C to +125 °C Resistance to Soldering Heat

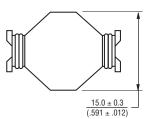
Materials

Core	Ferrite DR
Wire	Enameled copper
Terminal	Cu/Ag/Sn
Base	Phenolic T375J
Adhesive	Epoxy resin
Rated Current	
Ind	. drop 10 % typ. at Isat
Temperature Rise	
40	0 °C max. at rated Irms

Product Dimensions





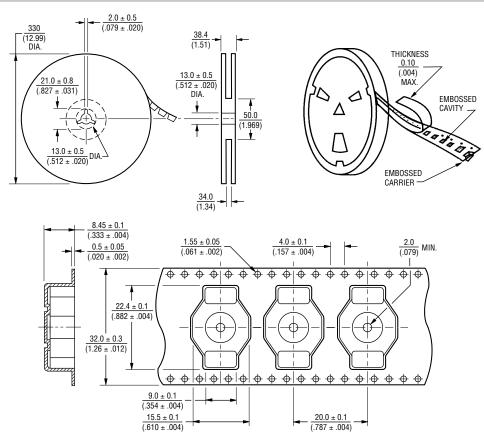


= START OF WINDING

DIMENSIONS:

MM (INCHES)

Packaging Specifications



QTY: 250 PCS. PER REEL

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

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