



Features

- Formerly a J.W. Miller® model
- High resistance to heat and humidity
- Resistance to mechanical shock and pressure
- Accurate dimensions for automatic surface mounting
- Inductance range: 1 to 150 μ H
- RoHS compliant*

Applications

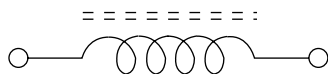
- Mobile phones
- Cellular phones
- CTV, VCR, HIC, FDD

PM1210 Series - Chip Inductor

Electrical Specifications @25 °C

Bourns Part No.	Inductance		Q Min.	Test Frequency (MHz)	SRF Typ. (MHz)	DCR Max. (Ω)	IDC (mA)
	μ H	Tol. (%)					
PM1210-1R0J-RC	1	± 5	30	7.96	295	0.7	400
PM1210-1R2J-RC	1.2	± 5	30	7.96	255	0.75	390
PM1210-1R5J-RC	1.5	± 5	30	7.96	160	0.85	370
PM1210-1R8J-RC	1.8	± 5	30	7.96	125	0.9	350
PM1210-2R2J-RC	2.2	± 5	30	7.96	100	1	320
PM1210-2R7J-RC	2.7	± 5	30	7.96	65	1.1	290
PM1210-3R3J-RC	3.3	± 5	30	7.96	55	1.2	260
PM1210-3R9J-RC	3.9	± 5	30	7.96	50	1.3	250
PM1210-4R7J-RC	4.7	± 5	30	7.96	45	1.5	220
PM1210-5R6J-RC	5.6	± 5	30	7.96	40	1.6	200
PM1210-6R8J-RC	6.8	± 5	30	7.96	35	1.8	180
PM1210-8R2J-RC	8.2	± 5	30	7.96	30	2	170
PM1210-10J-RC	10	± 5	30	2.52	30	2.1	150
PM1210-12J-RC	12	± 5	30	2.52	28	2.5	140
PM1210-15J-RC	15	± 5	30	2.52	25	2.8	130
PM1210-18J-RC	18	± 5	30	2.52	22	3.3	120
PM1210-22J-RC	22	± 5	30	2.52	19	3.7	110
PM1210-27J-RC	27	± 5	30	2.52	18	5	80
PM1210-33J-RC	33	± 5	30	2.52	17	5.6	70
PM1210-39J-RC	39	± 5	30	2.52	15	6.4	65
PM1210-47J-RC	47	± 5	30	2.52	14	7	60
PM1210-56J-RC	56	± 5	30	2.52	13	8	55
PM1210-68J-RC	68	± 5	30	2.52	11	9	50
PM1210-82J-RC	82	± 5	30	2.52	10	10	45
PM1210-101J-RC	100	± 5	20	0.796	9	11	40
PM1210-121J-RC	120	± 5	20	0.796	8	11	70
PM1210-151J-RC	150	± 5	20	0.796	7	15	65

Schematic



Additional Information

Click these links for more information:



PRODUCT
SELECTOR



TECHNICAL
LIBRARY



INVENTORY



SAMPLES



CONTACT

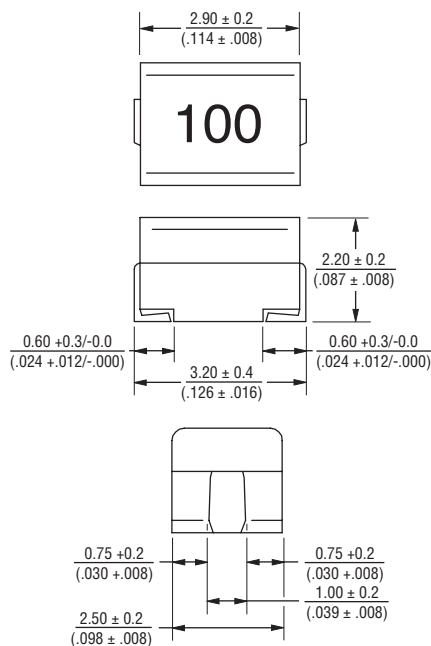
General Specifications

Operating Temperature-40 °C to +125 °C
(Temperature rise included)
Storage Temperature-40 °C to +125 °C
Temperature Rise20 °C
Rated Current.... Inductance drops 10 %

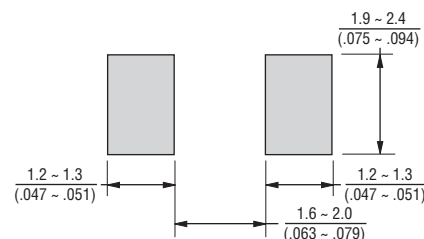
Materials

Core.....Ferrite
Wire.....Enamelled copper
Enclosure.....Epoxy resin
Terminal Finish.....Sn
Packaging..... 2,000 pcs. per 7-inch reel

Product Dimensions



Recommended Layout



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



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.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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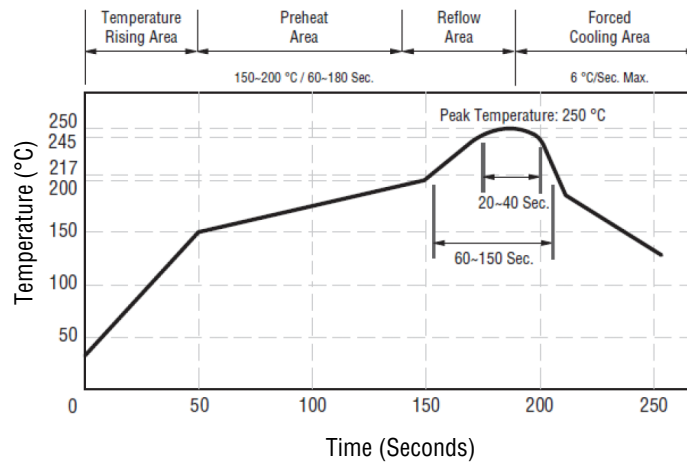
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

PM1210 Series - Chip Inductor

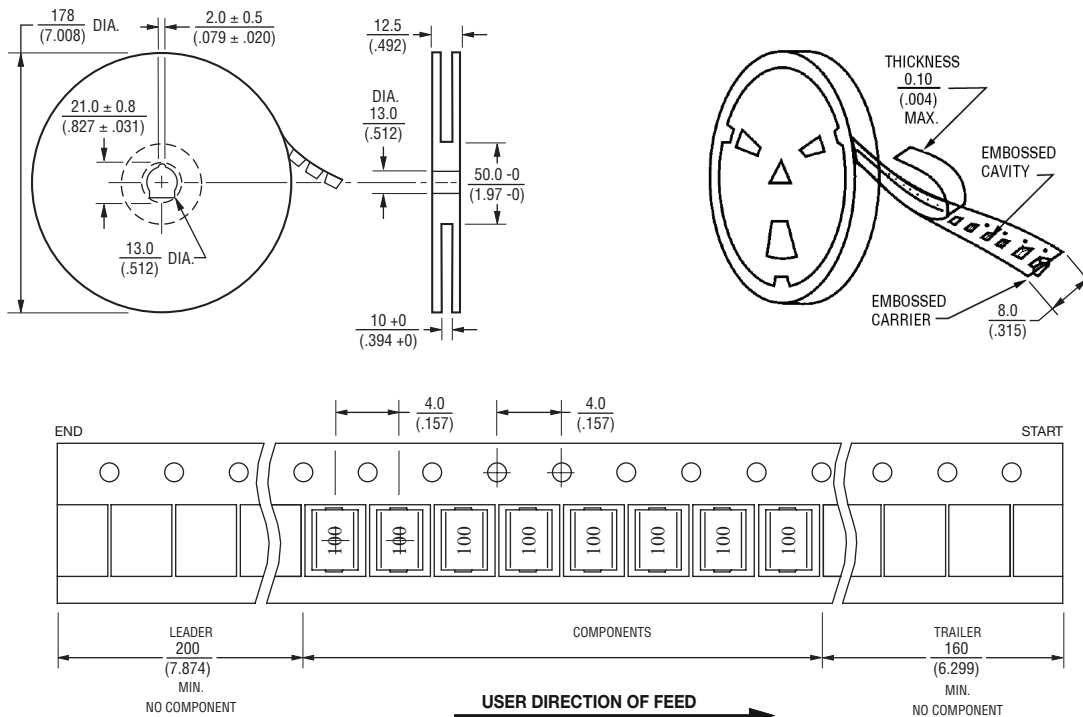
BOURNS®

Soldering Profile

Peak Temperature: 250 °C max.
 Max. Time Above 245 °C
 Max. Time Above 217 °C: 60~150 sec. max.
 200 °C ~ 250 °C Average Ramp-up Rate: 3 °C / sec. max.



Packaging Specifications



REV. 03/26

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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