

*RoHS COMPLIANT



BOURNS®

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 µH
- 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 Min. (MHz)	DCR Max. (Ω)	IDC (mA)
	µH	Tol. (%)					
PM1210-1R0J-RC	1	± 5	30	7.96	120	0.7	400
PM1210-1R2J-RC	1.2	± 5	30	7.96	100	0.75	390
PM1210-1R5J-RC	1.5	± 5	30	7.96	85	0.85	370
PM1210-1R8J-RC	1.8	± 5	30	7.96	80	0.9	350
PM1210-2R2J-RC	2.2	± 5	30	7.96	75	1	320
PM1210-2R7J-RC	2.7	± 5	30	7.96	70	1.1	290
PM1210-3R3J-RC	3.3	± 5	30	7.96	60	1.2	260
PM1210-3R9J-RC	3.9	± 5	30	7.96	55	1.3	250
PM1210-4R7J-RC	4.7	± 5	30	7.96	50	1.5	220
PM1210-5R6J-RC	5.6	± 5	30	7.96	45	1.6	200
PM1210-6R8J-RC	6.8	± 5	30	7.96	40	1.8	180
PM1210-8R2J-RC	8.2	± 5	30	7.96	35	2	170
PM1210-100J-RC	10	± 5	30	2.52	30	2.1	150
PM1210-120J-RC	12	± 5	30	2.52	20	2.5	140
PM1210-150J-RC	15	± 5	30	2.52	20	2.8	130
PM1210-180J-RC	18	± 5	30	2.52	20	3.3	120
PM1210-220J-RC	22	± 5	30	2.52	20	3.7	110
PM1210-270J-RC	27	± 5	30	2.52	20	5	80
PM1210-330J-RC	33	± 5	30	2.52	17	5.6	70
PM1210-390J-RC	39	± 5	30	2.52	16	6.4	65
PM1210-470J-RC	47	± 5	30	2.52	15	7	60
PM1210-560J-RC	56	± 5	30	2.52	13	8	55
PM1210-680J-RC	68	± 5	30	2.52	12	9	50
PM1210-820J-RC	82	± 5	30	2.52	11	10	45
PM1210-101J-RC	100	± 5	20	0.796	10	11	40
PM1210-121J-RC	120	± 5	20	0.796	10	11	70
PM1210-151J-RC	150	± 5	20	0.796	8	15	65

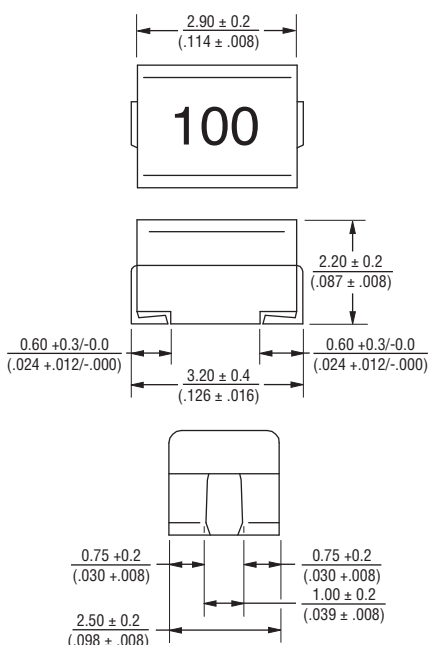
General Specifications

Operating Temperature-40 °C to +125 °C
 (Temperature rise included)
 Storage Temperature-40 °C to +125 °C
 Resistance to Soldering Heat 245 °C, 5 seconds
 Temperature Rise20 °C
 Rated Current.... Inductance drops 10 %

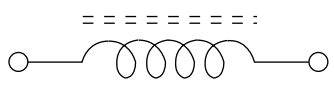
Materials

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

Product Dimensions



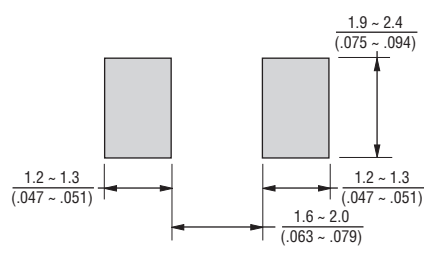
Schematic



BOURNS®

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www.bourns.com

Recommended Layout



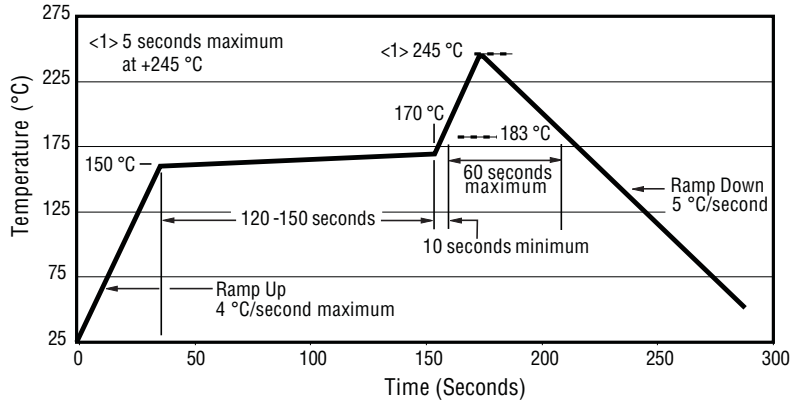
DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

*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.
 The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
 Users should verify actual device performance in their specific applications.

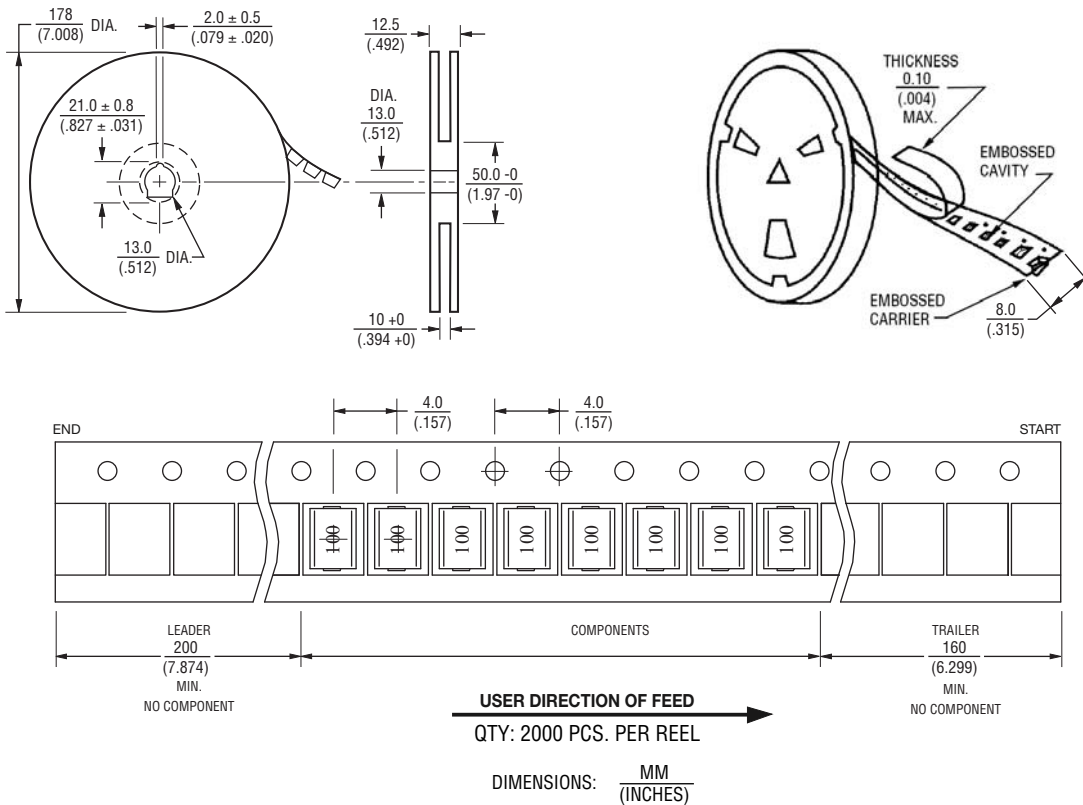
PM1210 Series - Chip Inductor

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Soldering Profile



Packaging Specifications



REV. 08/14

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