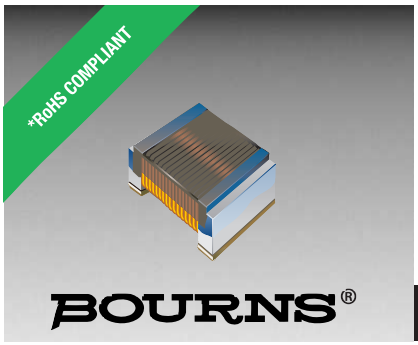


Features

- Formerly J.W. Miller® model
- 0805 size
- Available in E12 series
- High Q up to 60 typ.
- High operating temperature of 125 °C
- RoHS compliant*

Applications

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

PM0805 Series - High Q Chip Inductors

Electrical Specifications

Bourns Part No.	Inductance		Q	Test Frequency (MHz)		SRF Min.	RDC	I rms Max.
	nH	Tol. %	Min.	L	Q	(MHz)	(Ω)	(mA)
PM0805-2N8M-RC	2.8	±20	30	250	1000	5000	0.08	800
PM0805-3N3M-RC	3.3	±20	50	250	1000	7900	0.08	600
PM0805-5N6M-RC	5.6	±20	60	250	1000	5800	0.08	600
PM0805-6N8M-RC	6.8	±20	50	250	1000	5500	0.11	600
PM0805-8N2M-RC	8.2	±20	50	250	1000	4700	0.12	600
PM0805-10NM-RC	10	±20	50	250	500	4300	0.12	600
PM0805-12NM-RC	12	±20	50	250	500	4000	0.15	600
PM0805-15NM-RC	15	±20	50	250	500	3400	0.17	600
PM0805-18NM-RC	18	±20	50	250	500	3300	0.20	600
PM0805-22NM-RC	22	±20	55	250	500	2600	0.22	500
PM0805-27NM-RC	27	±20	55	250	500	2500	0.25	500
PM0805-33NM-RC	33	±20	60	250	500	2050	0.27	500
PM0805-39NM-RC	39	±20	60	250	500	2000	0.29	500
PM0805-47NM-RC	47	±20	60	200	500	1650	0.31	500
PM0805-56NK-RC	56	±10	60	200	500	1550	0.34	500
PM0805-68NK-RC	68	±10	60	200	500	1450	0.38	500
PM0805-82NK-RC	82	±10	60	150	500	1300	0.42	400
PM0805-R10K-RC	100	±10	60	150	500	1200	0.46	400
PM0805-R12K-RC	120	±10	50	150	250	1100	0.51	400
PM0805-R15K-RC	150	±10	50	100	250	920	0.56	400
PM0805-R18K-RC	180	±10	50	100	250	900	0.78	400
PM0805-R22K-RC	220	±10	50	100	250	860	1.00	400
PM0805-R27K-RC	270	±10	45	100	250	850	1.46	350
PM0805-R33K-RC	330	±10	45	100	250	800	1.65	300
PM0805-R39K-RC	390	±10	45	100	250	780	2.20	210
PM0805-R56K-RC	560	±10	23	25	50	340	1.90	230

Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

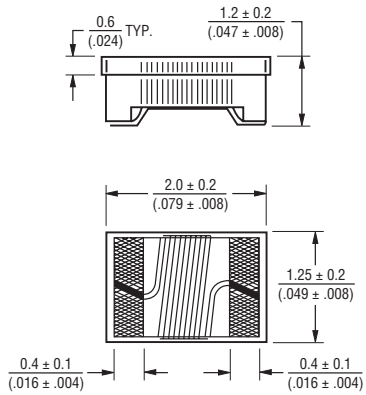
General Specifications

Temperature Rise
.....40 °C max. at rated current
Operating Temperature
.....-40 °C to +125 °C
Storage Temperature
.....-40 °C to +125 °C
Moisture Sensitivity Level.....1

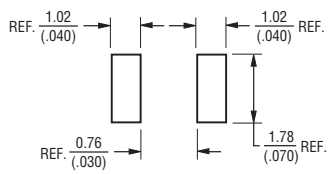
Materials

Core Material.....Alumina (1CC201211)
Wire .....Enamelled Copper (1W1E180)
Terminal.....Ag/Ni/Au
Packaging.....2,000 pcs. per reel

Product Dimensions



Recommended Layout

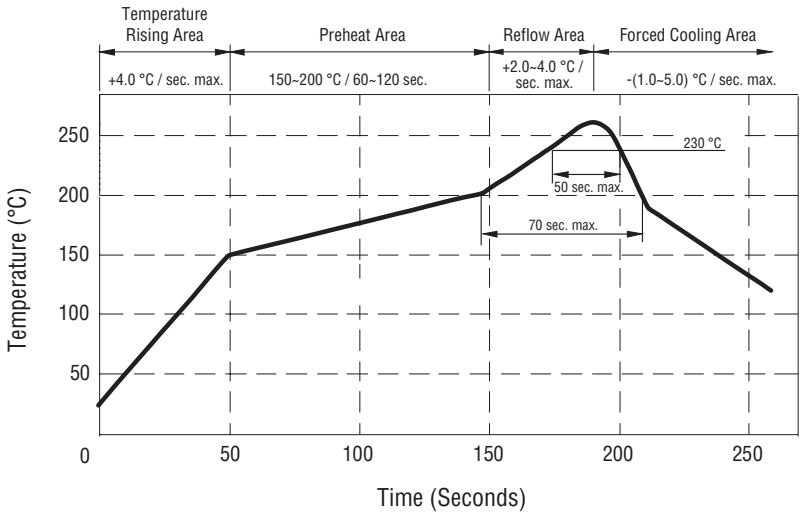


DIMENSIONS: MM (INCHES)

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

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
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Users should verify actual device performance in their specific applications.
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Soldering Profile

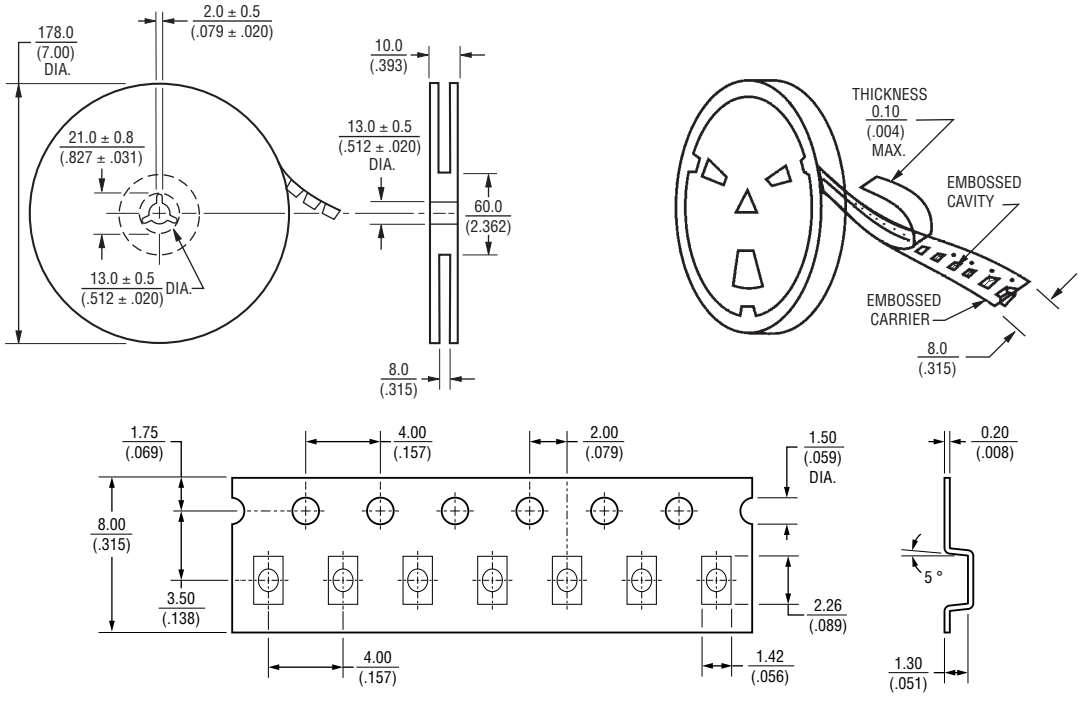


Peak Temperature: 260 °C max.

Time Above 230 °C: 50 sec. max.

Time Above 200 °C: 70 sec. max.

Packaging Specifications



USER DIRECTION OF FEED

QTY: 2,000 PCS. PER REEL

DIMENSIONS: MM / (INCHES)

REV. 07/26

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Users should verify actual device performance in their specific applications.
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