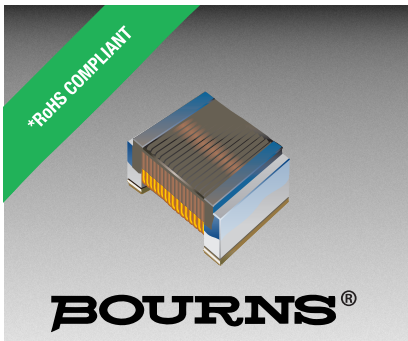




Features

- Formerly J. W. Miller® model
- 1008 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

PM1008 Series - High Q Chip Inductors

Electrical Specifications

Bourns Part No.	Inductance		Q Min.	Test Frequency (MHz)		SRF Min. (MHz)	RDC Max. (Ω)	I rms Max. (mA)
	nH	Tol. %		L	Q			
PM1008-10NM-RC	10	G,J,K	50	50.0	500	4100	0.08	1000
PM1008-12NM-RC	12	J,K	50	50.0	500	3300	0.09	1000
PM1008-15NM-RC	15	G,J,K	50	50.0	500	2500	0.10	1000
PM1008-18NM-RC	18	G,J,K	50	50.0	350	2500	0.11	1000
PM1008-22NM-RC	22	G,J,K	55	50.0	350	2400	0.12	1000
PM1008-27NM-RC	27	G,J,K	55	50.0	350	1600	0.13	1000
PM1008-33NM-RC	33	G,J,K	60	50.0	350	1600	0.14	1000
PM1008-39NM-RC	39	G,J,K	60	50.0	350	1500	0.15	1000
PM1008-47NM-RC	47	G,J,K	65	50.0	350	1500	0.16	1000
PM1008-56NK-RC	56	G,J,K	65	50.0	350	1300	0.18	1000
PM1008-68NK-RC	68	G,J,K	65	50.0	350	1300	0.20	1000
PM1008-82NK-RC	82	G,J,K	60	50.0	350	1000	0.22	1000
PM1008-R10K-RC	100	G,J,K	60	25.2	350	1000	0.56	650
PM1008-R12K-RC	120	G,J,K	60	25.2	350	950	0.63	650
PM1008-R15K-RC	150	G,J,K	45	25.2	100	850	0.70	580
PM1008-R18K-RC	180	G,J,K	45	25.2	100	750	0.77	620
PM1008-R22K-RC	220	G,J,K	45	25.2	100	700	0.84	500
PM1008-R27K-RC	270	G,J,K	45	25.2	100	600	0.91	500
PM1008-R33K-RC	330	G,J,K	45	25.2	100	570	1.05	450
PM1008-R39K-RC	390	G,J,K	45	25.2	100	500	1.12	470
PM1008-R47K-RC	470	G,J,K	45	25.2	100	450	1.19	470
PM1008-R56K-RC	560	G,J,K	45	25.2	100	415	1.33	400
PM1008-R68K-RC	680	G,J,K	45	25.2	100	375	1.55	400
PM1008-R82K-RC	820	G,J,K	45	25.2	100	350	2.30	300
PM1008-1R0K-RC	1000	J,K	35	25.2	50	290	1.75	370
PM1008-1R2K-RC	1200	J,K	35	7.96	50	250	2.00	310
PM1008-1R5K-RC	1500	J,K	28	7.96	50	200	2.30	330
PM1008-1R8K-RC	1800	J,K	28	7.96	50	160	2.60	300
PM1008-2R2K-RC	2200	J,K	28	7.96	50	160	2.80	280
PM1008-2R7K-RC	2700	J,K	22	7.96	25	140	3.20	290
PM1008-3R3K-RC	3300	J,K	22	7.96	25	110	3.40	290
PM1008-3R9K-RC	3900	J,K	20	7.96	25	100	3.60	260
PM1008-4R7K-RC	4700	J,K	20	7.96	25	50	4.00	260

Additional Information

Click these links for more information:



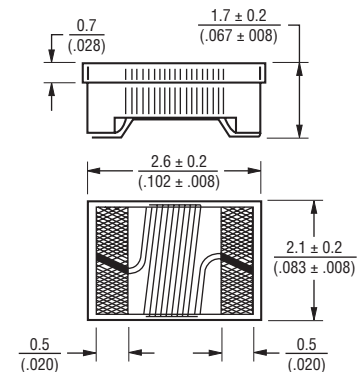
General Specifications

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

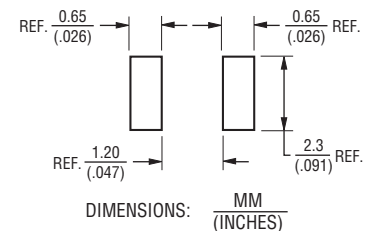
Materials

Core Material
-10NM thru -R82K.....Ceramic
-1R0K thru -4R7K.....Ferrite
Wire Enamelled Copper (1W1E180)
Terminal.....Ag/Ni/Au
Packaging.....2,000 pcs per reel

Product Dimensions



Recommended Layout



BOURNS®

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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.

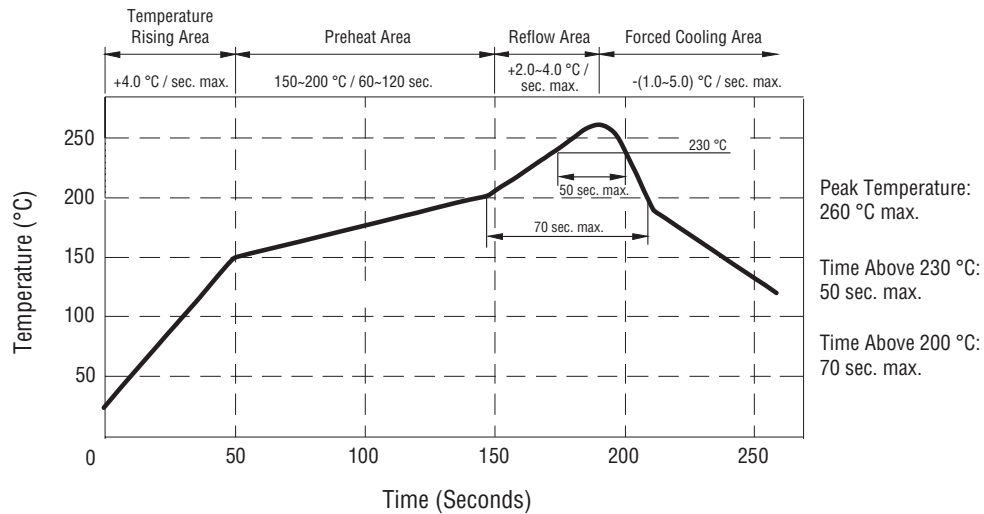
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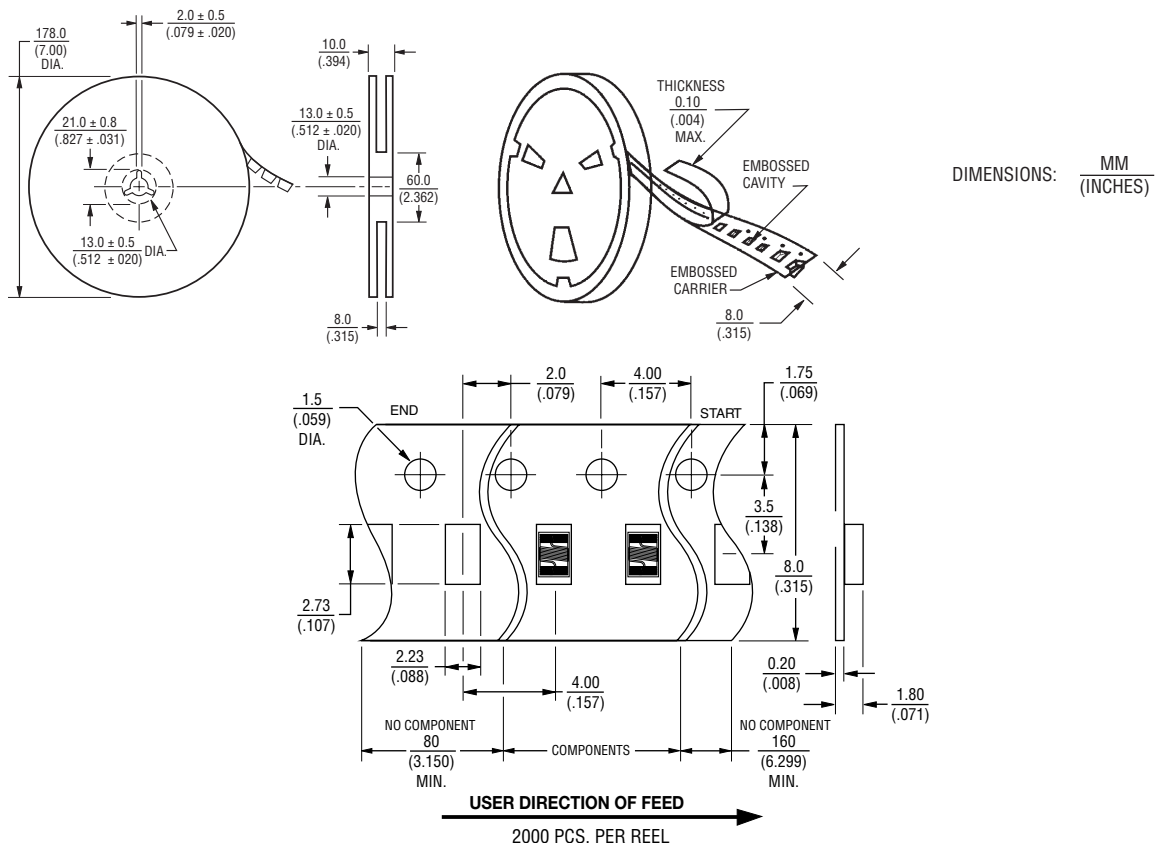
PM1008 Series - High Q Chip Inductors

BOURNS®

Soldering Profile



Packaging Specifications



REV. 07/26

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