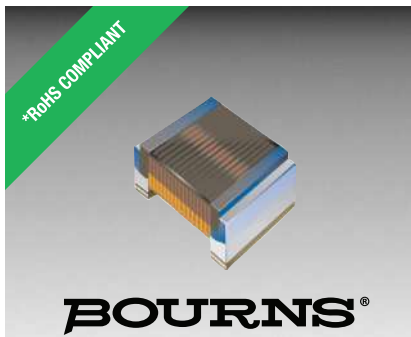




Features

- 0603 size
- Available in E12 series
- High Q - up to 80 typ.
- High operating temperature of 125 °C
- Small size of only 1.6 mm
- RoHS compliant*

Applications

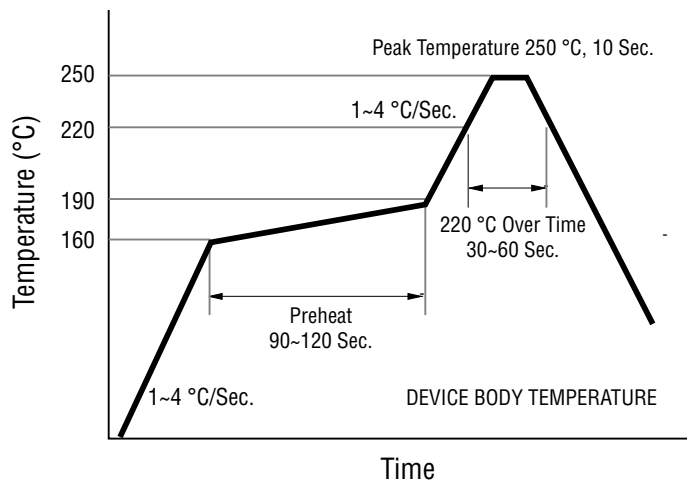
- Mobile phones
- Cellular phones
- CTV, VCR, HIC, FDD

CW160808 Series - High Q Chip Inductors

Electrical Specifications

Bourns® Part No.	Inductance		Q	Test Freq. (MHz)		SRF (MHz)	DCR Max.	I _{rms} (mA)
	nH	Tol. %	Min.	L	Q @ 900 MHz	Min.	Ohms	Max.
CW160808-1N8M	1.8	±20	16	250	35	12500	0.045	700
CW160808-2N2D	2.2	±15	16	250	31	6900	0.080	700
CW160808-3N9J	3.9	±5	22	250	51	6900	0.080	700
CW160808-4N7J	4.7	±5	20	250	47	5800	0.130	700
CW160808-6N8J	6.8	±5	30	250	63	5800	0.110	700
CW160808-8N2J	8.2	±5	28	250	72	4600	0.100	700
CW160808-10NJ	10	±5	35	250	66	3800	0.130	700
CW160808-12NJ	12	±5	38	250	72	4000	0.130	700
CW160808-15NJ	15	±5	38	250	68	4000	0.170	700
CW160808-18NJ	18	±5	40	250	77	3100	0.170	700
CW160808-22NJ	22	±5	43	250	70	3000	0.220	700
CW160808-27NJ	27	±5	43	250	75	2800	0.220	600
CW160808-33NJ	33	±5	43	250	78	2300	0.220	600
CW160808-39NJ	39	±5	40	250	66	2200	0.250	600
CW160808-47NJ	47	±5	40	200	65	2000	0.280	600
CW160808-56NJ	56	±5	35	200	66	1900	0.310	600
CW160808-68NJ	68	±5	35	200	57	1700	0.340	600
CW160808-72NJ	72	±5	35	200	60	1700	0.490	400
CW160808-82NJ	82	±5	35	150	58	1700	0.540	400
CW160808-R10J	100	±5	35	150	51	1400	0.630	400
CW160808-R12J	120	±5	35	150	45	1300	0.650	300
CW160808-R15J	150	±5	35	150	33	1000	0.920	280
CW160808-R18J	180	±5	30	100	26	1000	1.250	240
CW160808-R22J	220	±5	30	100	23	1000	1.700	200
CW160808-R27J	270	±5	30	100	10	1000	1.800	170

Solder Profile



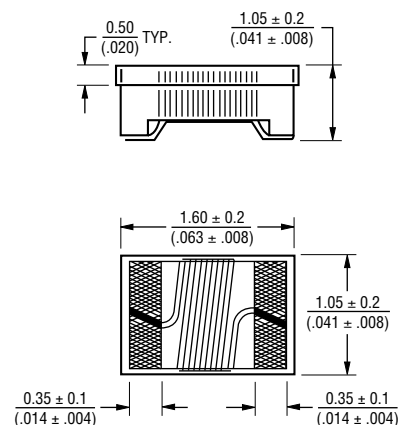
General Specifications

Temperature Rise 15 °C max. at rated current
 Operating Temperature -40 °C to +125 °C
 Storage Temperature -40 °C to +125 °C

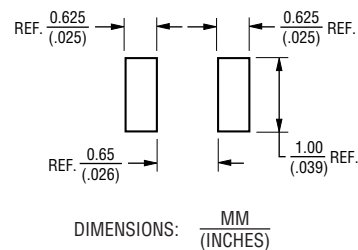
Materials

Core Material Alumina
 Wire Enameled copper
 Terminal Ag/Ni/Au
 Encapsulate Epoxy
 Packaging 3,000 pcs. per reel

Product Dimensions



Recommended Layout



Additional Information

Click these links for more information:



PRODUCT
SELECTOR



TECHNICAL
LIBRARY



INVENTORY



SAMPLES



CONTACT



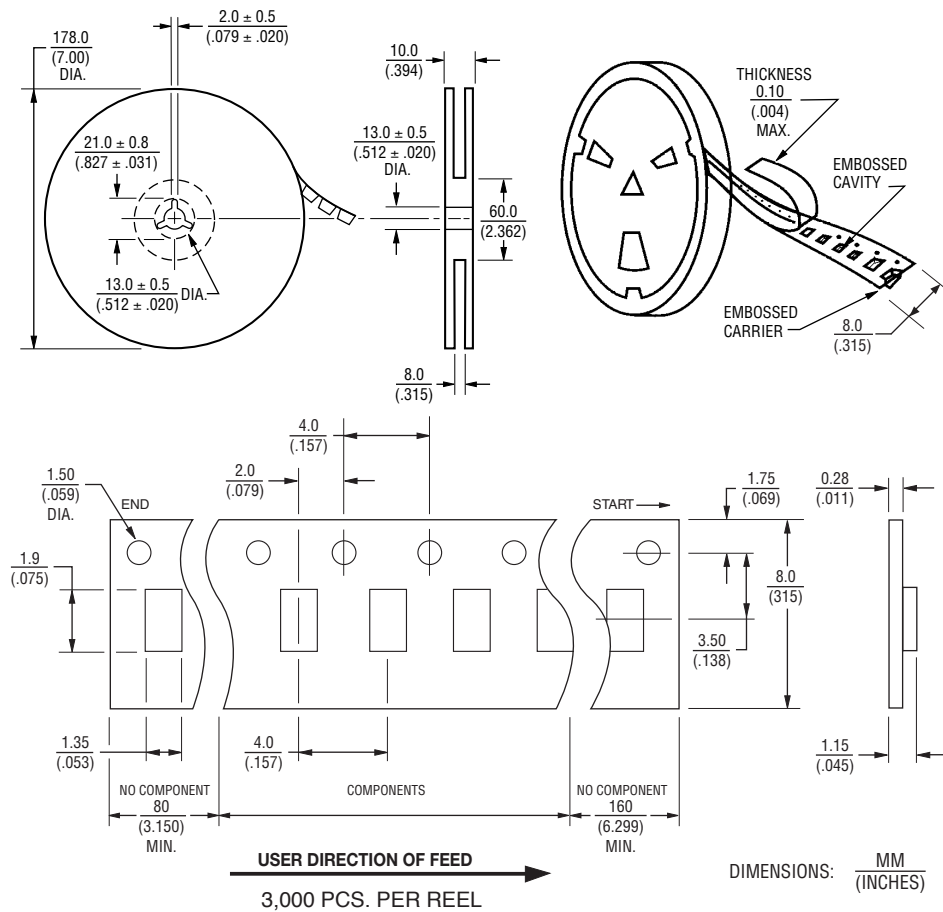
CALIFORNIA WARNING: Can expose you to lead, a carcinogen and reproductive toxicant. See www.P65Warnings.ca.gov

* 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. 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.

CW160808 Series - High Q Chip Inductors

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Packaging Specifications



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REV. 05/26

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Users should verify actual device performance in their specific applications.

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