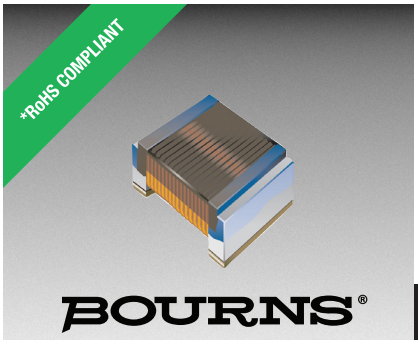


Features

- 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

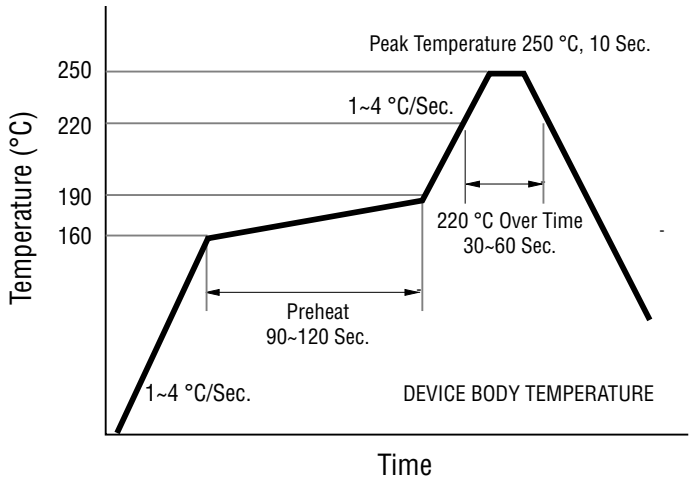
- Mobile phones
- Cellular phones
- CTV, VCR, HIC, FDD

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



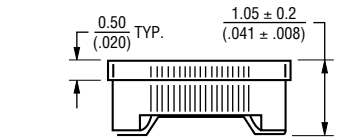
General Specifications

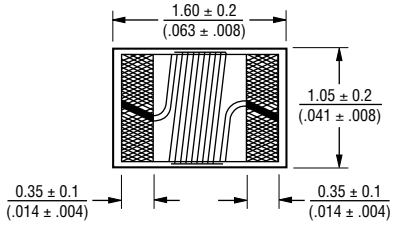
Temperature Rise
.....15 °C max. at rated current
Operating Temperature
.....-40 °C to +125 °C
Storage Temperature
.....-40 °C to +125 °C

Materials

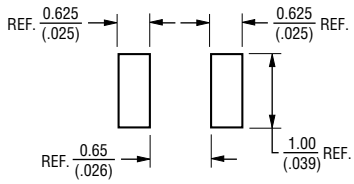
Core Material.....Alumina
Wire.....Enameled copper
Terminal.....Ag/Ni/Au
Encapsulate.....Epoxy
Packaging.....3,000 pcs. per reel

Product Dimensions





Recommended Layout



DIMENSIONS: MM (INCHES)

Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

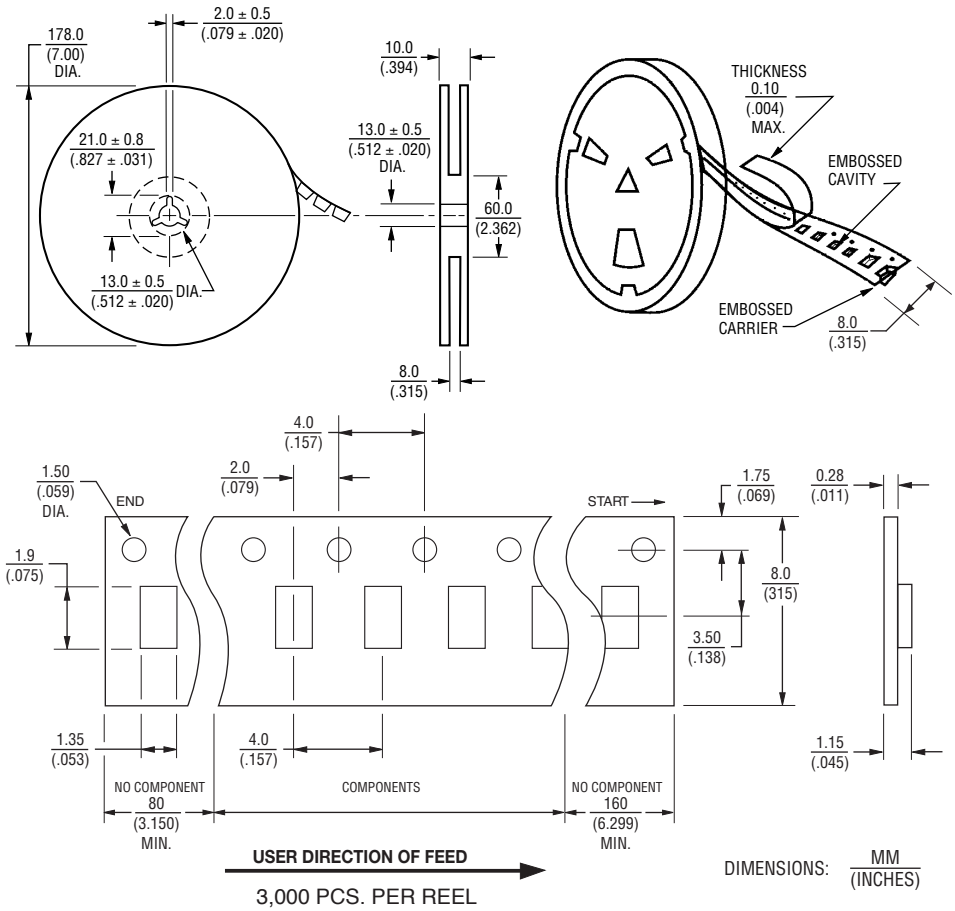
CALIFORNIA WARNING: Can expose you to lead, a carcinogen and reproductive toxicant. See www.P65Warnings.ca.gov

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

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Packaging Specifications



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