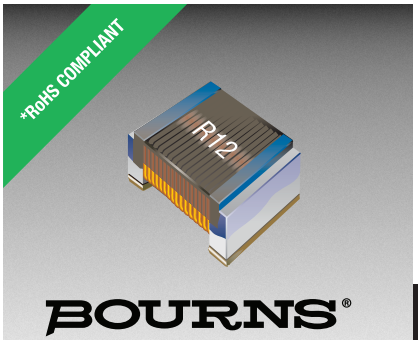


Features

- 1008 size
- Available in E12 series
- High Q
- High operating temperature of 125 °C
- RoHS compliant*

Applications

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

CW252016 Series - High Q Chip Inductors

Electrical Specifications

Bourns® Part No.	Inductance		Q	Test Freq. (MHz)		SRF (MHz)	RDC (Ohms)	I rms (mA)
	nH	Tol. %	Min.	L	Q	Min.	Max.	Max.
CW252016-10NK	10	±10	50	50	500	4100	0.08	1000
CW252016-12NK	12	±10	50	50	500	3300	0.09	1000
CW252016-15NK	15	±10	50	50	500	2500	0.10	1000
CW252016-18NK	18	±10	50	50	350	2500	0.11	1000
CW252016-22NK	22	±10	55	50	350	2400	0.12	1000
CW252016-27NK	27	±10	55	50	350	1600	0.13	1000
CW252016-33NK	33	±10	60	50	350	1600	0.14	1000
CW252016-39NK	39	±10	60	50	350	1500	0.15	1000
CW252016-47NK	47	±10	65	50	350	1500	0.16	1000
CW252016-56NJ	56	±5	65	50	350	1300	0.18	1000
CW252016-68NJ	68	±5	65	50	350	1300	0.20	1000
CW252016-82NJ	82	±5	60	50	350	1000	0.22	1000
CW252016-R10J	100	±5	60	25.2	350	1000	0.56	650
CW252016-R12J	120	±5	60	25.2	350	950	0.63	650
CW252016-R15J	150	±5	45	25.2	100	850	0.70	580
CW252016-R18J	180	±5	45	25.2	100	750	0.77	620
CW252016-R22J	220	±5	45	25.2	100	700	0.84	500
CW252016-R27J	270	±5	45	25.2	100	600	0.91	500
CW252016-R33J	330	±5	45	25.2	100	570	1.05	450
CW252016-R39J	390	±5	45	25.2	100	500	1.12	470
CW252016-R47J	470	±5	45	25.2	100	450	1.19	470
CW252016-R56J	560	±5	45	25.2	100	415	1.33	400
CW252016-R68J	680	±5	45	25.2	100	375	1.55	400
CW252016-R82J	820	±5	45	25.2	100	350	2.30	180
CW252016-1R0J	1000	±5	35	25.2	50	290	1.75	370
CW252016-1R2J	1200	±5	35	7.96	50	250	2.00	310
CW252016-1R5J	1500	±5	28	7.96	50	200	2.30	330
CW252016-1R8J	1800	±5	28	7.96	50	160	2.60	300
CW252016-2R2J	2200	±5	28	7.96	50	160	2.80	280
CW252016-2R7J	2700	±5	22	7.96	25	140	3.20	290
CW252016-3R3J	3300	±5	22	7.96	25	110	3.40	290
CW252016-3R9J	3900	±5	20	7.96	25	100	3.60	260
CW252016-4R7J	4700	±5	20	7.96	25	50	4.00	260

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www.bourns.com

Typical Part Marking



Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

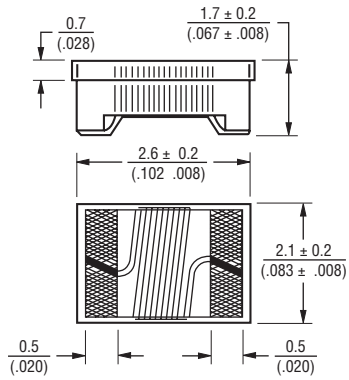
General Specifications

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

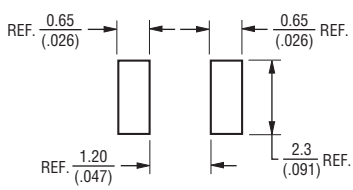
Materials

Core Material
-10NK thru -R82J .....Ceramic
-1R0J thru -4R7J.....Ferrite
Wire ..... Enameled copper (1W1E180)
Terminal .....Ag/Ni/Au
Packaging..... 2,000 pcs. per reel

Product Dimensions



Recommended Layout



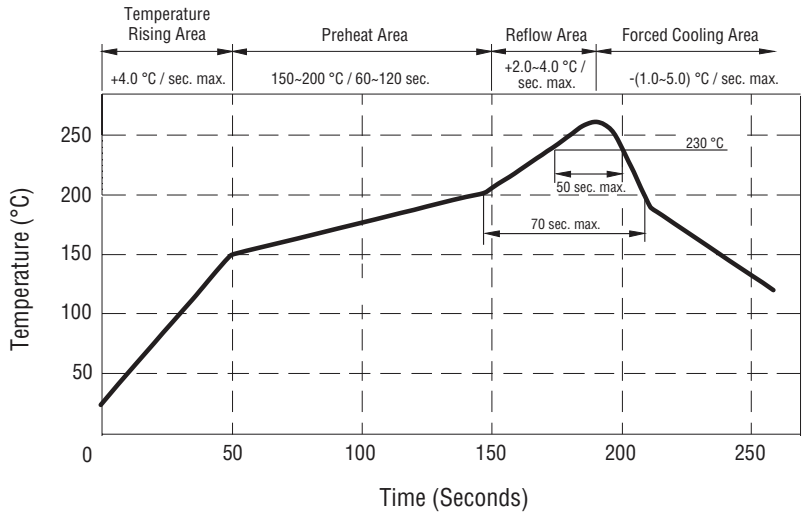
DIMENSIONS: MM / (INCHES)

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.
Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
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Soldering Profile

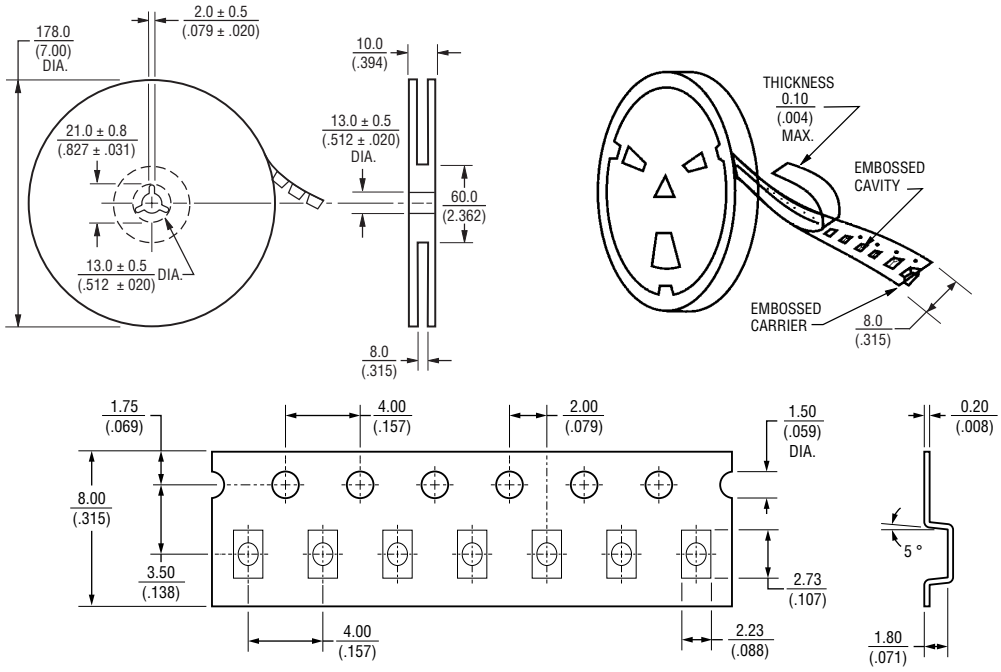


Peak Temperature: 260 °C max.

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. 08/26

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Users should verify actual device performance in their specific applications.
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