

Features

- 1812 size
- High current rating
- Inductance range from 1 µH to 680 µH
- RoHS compliant*

Applications

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

CC453232 Series - Wirewound Chip Inductor

Electrical Specifications

Bourns Part No.	Inductance µH	Inductance Tol. %	Q Min.	Test Frequency MHz	SRF MHz Min.	DCR Ω Max.	Idc mA Max.
CC453232-1R0KL	1.0	± 10	10	7.96	180	0.11	1050
CC453232-1R2KL	1.2	± 10	10	7.96	160	0.12	1000
CC453232-1R5KL	1.5	± 10	10	7.96	130	0.15	950
CC453232-1R8KL	1.8	± 10	10	7.96	100	0.16	900
CC453232-2R2KL	2.2	± 10	10	7.96	80	0.18	850
CC453232-2R7KL	2.7	± 10	10	7.96	60	0.20	800
CC453232-3R3KL	3.3	± 10	10	7.96	45	0.22	750
CC453232-3R9KL	3.9	± 10	10	7.96	40	0.24	700
CC453232-4R7KL	4.7	± 10	10	7.96	35	0.27	650
CC453232-5R6KL	5.6	± 10	10	7.96	30	0.30	650
CC453232-6R8KL	6.8	± 10	10	7.96	28	0.35	600
CC453232-8R2KL	8.2	± 10	10	7.96	25	0.40	600
CC453232-100KL	10	± 10	10	2.52	22	0.50	550
CC453232-120KL	12	± 10	10	2.52	21	0.60	500
CC453232-150KL	15	± 10	10	2.52	20	0.70	450
CC453232-180KL	18	± 10	10	2.52	19	0.80	400
CC453232-220KL	22	± 10	10	2.52	18	0.90	370
CC453232-270KL	27	± 10	10	2.52	16	1.2	330
CC453232-330KL	33	± 10	10	2.52	14	1.4	300
CC453232-390KL	39	± 10	10	2.52	12	1.6	280
CC453232-470KL	47	± 10	10	2.52	11.5	1.9	260
CC453232-560KL	56	± 10	10	2.52	11	2.2	240
CC453232-680KL	68	± 10	10	2.52	10	2.6	220
CC453232-820KL	82	± 10	20	0.796	9	3.5	200
CC453232-101KL	100	± 10	20	0.796	8	4.0	180
CC453232-121KL	120	± 10	20	0.796	7.5	4.5	160
CC453232-151KL	150	± 10	20	0.796	7	6.5	140
CC453232-181KL	180	± 10	20	0.796	6.5	7.5	120
CC453232-221KL	220	± 10	20	0.796	5.5	9	120
CC453232-271KL	270	± 10	20	0.796	5	11	100
CC453232-331KL	330	± 10	20	0.796	4	13	90
CC453232-391KL	390	± 10	20	0.796	3	14	85
CC453232-471KL	470	± 10	20	0.796	3	16	75
CC453232-561KL	560	± 10	20	0.796	3	21	70
CC453232-681KL	680	± 10	20	0.796	2.5	25	65

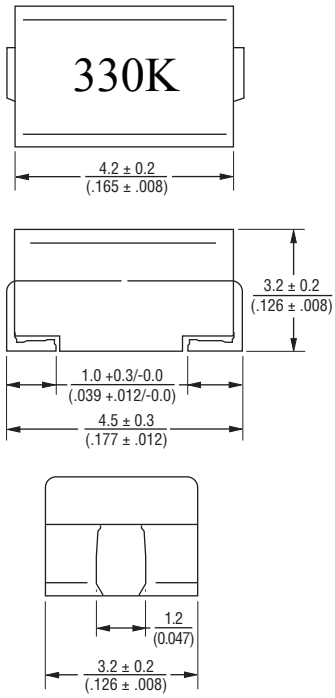
General Specifications

Temperature Rise
.....20 °C max. at rated current
Operating Temperature
.....-40 °C to +125 °C
Storage Temperature
.....-40 °C to +125 °C
Resistance to Soldering Heat
..... 260 °C, 10 sec.

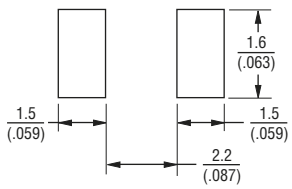
Materials

Core.....Ferrite
Terminal Electrode.....Cu/Sn
Packaging.....500 pcs. per reel

Product Dimensions



Recommended Layout



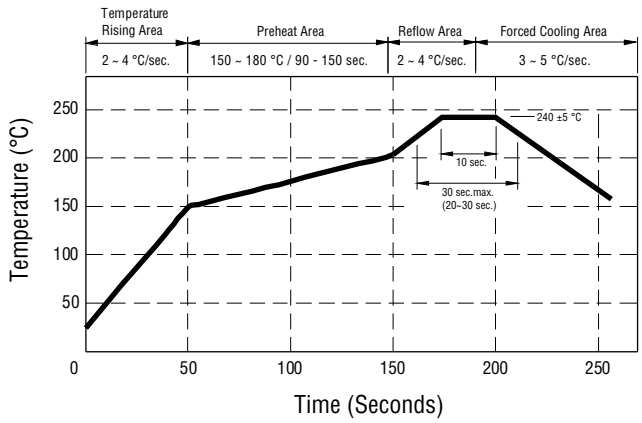
DIMENSIONS: MM / (INCHES)

WARNING Cancer and Reproductive Harm - 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. 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

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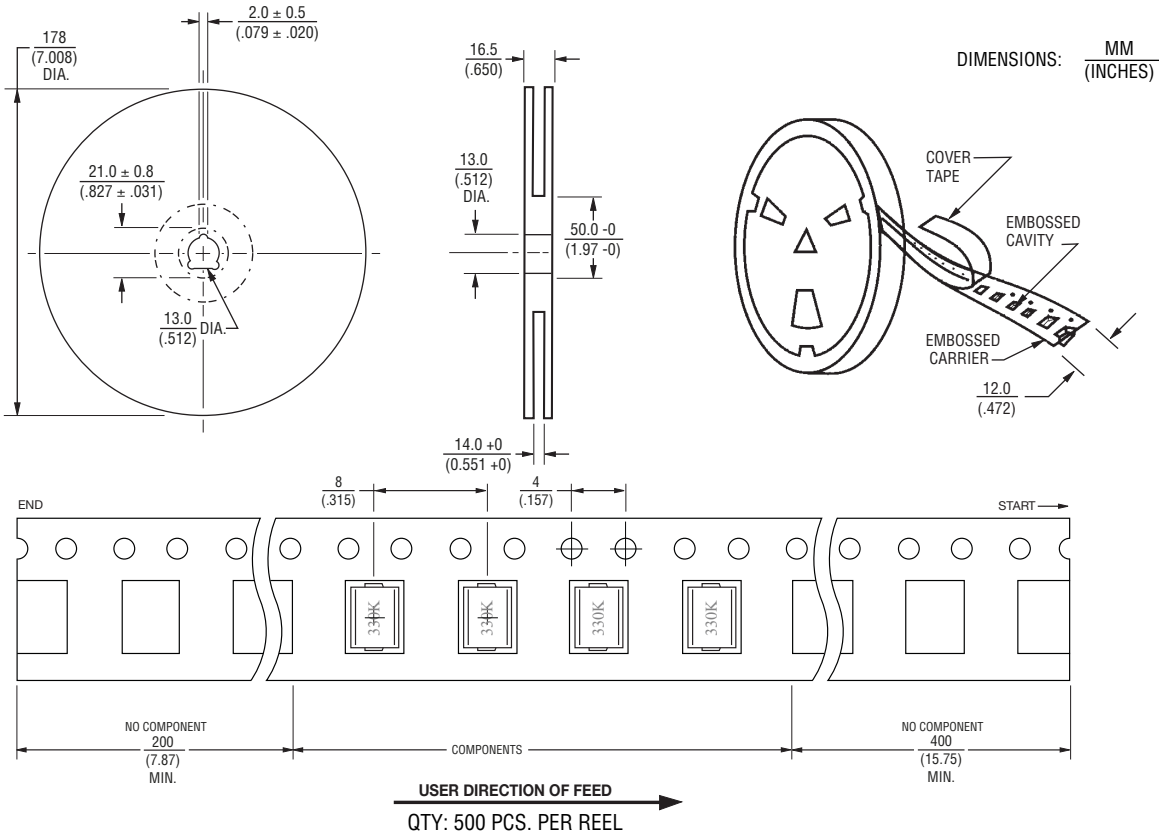
Solder Reflow Profile



Peak Temperature: 245 ° max.

Maximum Time Above 225 °C: 30 seconds
Maximum Time Above 200 °C: 50 seconds

Packaging Specifications



REV. 09/12

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