

## Features

- 1812 size
- High current rating
- Inductance range from 1  $\mu$ H to 680  $\mu$ H
- RoHS compliant\*

## Applications

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

# CC453232 Series - Wirewound Chip Inductor

### Electrical Specifications

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

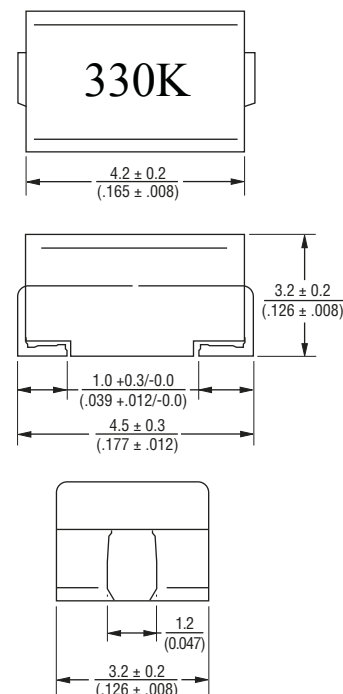
### General Specifications

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.

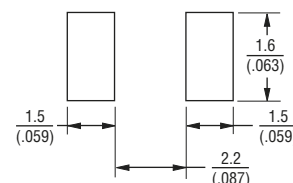
### Materials

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

### Product Dimensions



### Recommended Layout



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$



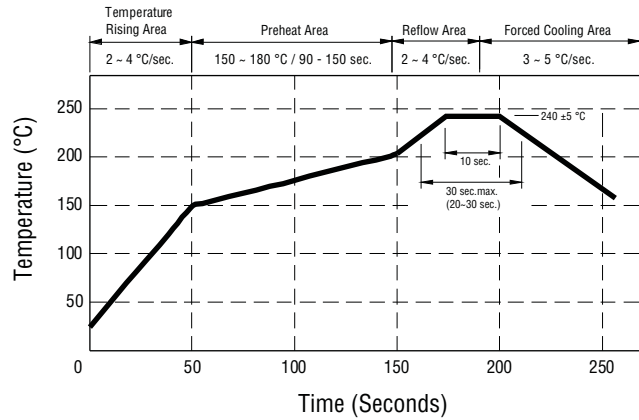
**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

\* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.  
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# CC453232 Series - Wirewound Chip Inductor

**BOURNS®**

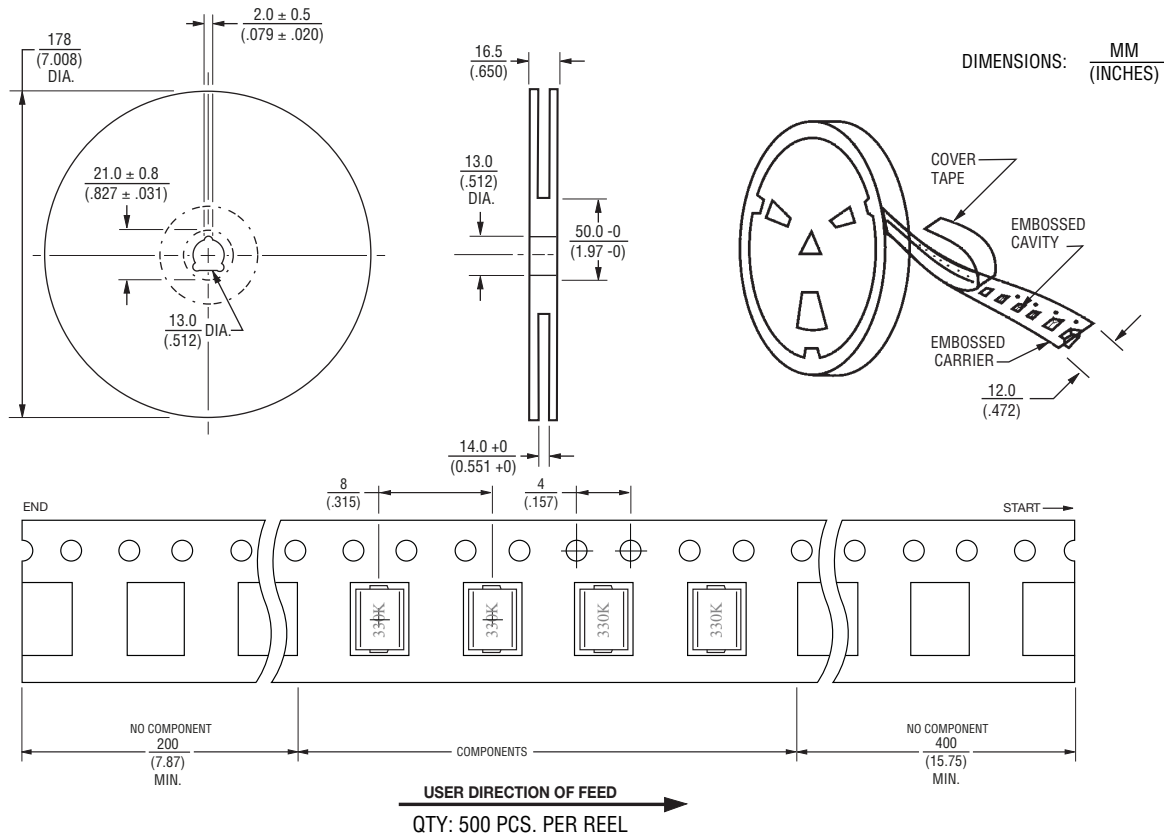
## Solder Reflow Profile



Peak Temperature: 245 ° max.

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

## Packaging Specifications



REV. 09/12

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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