



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



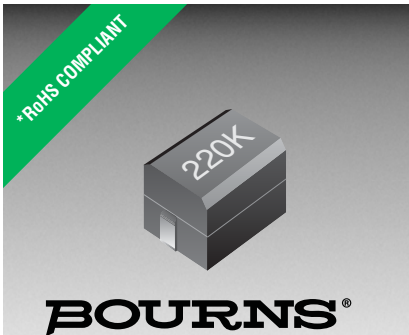
## Contact us

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## 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

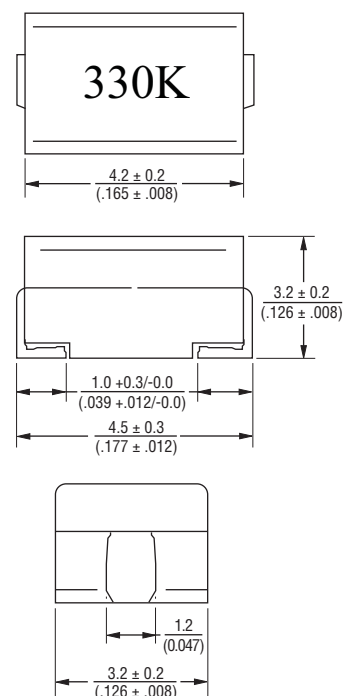
## General Specifications

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.

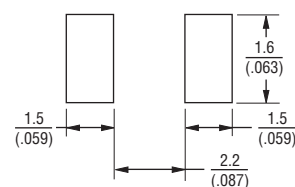
## Materials

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

## Product Dimensions



## Recommended Layout



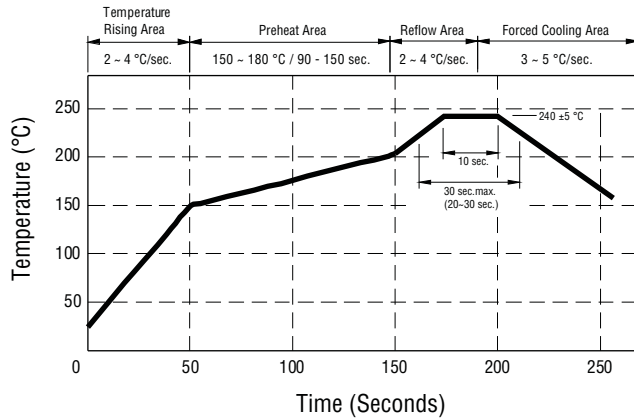
DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

\*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. Customers should verify actual device performance in their specific applications.

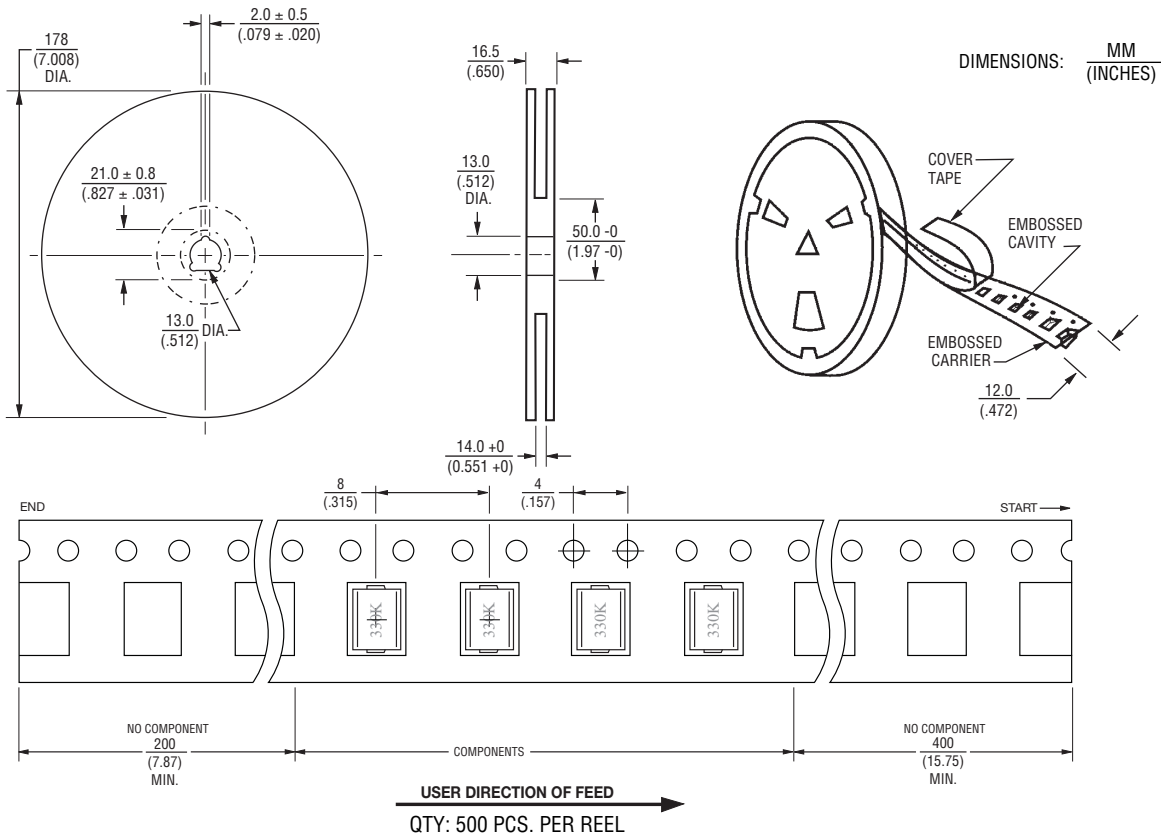
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**BOURNS®**

## Solder Reflow Profile



## Packaging Specifications



REV. 09/12

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