

# Super RCX

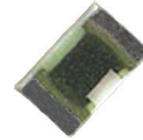


0402S    0603S    0805S    1206S    2010S    2512S

## Thick Film Wraparound Extended Power Surface Mount Chip Resistors for Epoxy and Solder Mount

### Features

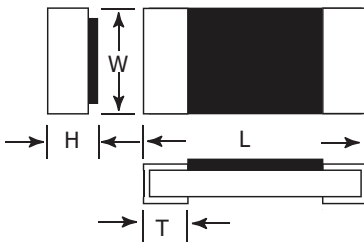
- The power handling of other resistors in the same size package
- High stability thick film resistor element
- 96% Al<sub>2</sub>O<sub>3</sub> substrate material
- Tolerances to ±1%
- Available in bulk, tape and reel and waffle pack



Thick Film

Part Number	Length	Width	Height	Terminal	Max Working Voltage	Rated Power @ 70°C
RCX-0402S	0.040 ± .005	0.020 ± .005	0.020 max.	0.008 ± .004	50VDC	160mW
RCX-0603S	0.060 ± .005	0.030 ± .005	0.020 max.	0.014 ± .006	50VDC	200mW
RCX-0805S	0.080 ± .005	0.050 ± .005	0.020 max.	0.018 ± .008	150VDC	350mW
RCX-1206S	0.126 ± .008	0.063 ± .006	0.020 max.	0.020 ± .010	200VDC	500mW
RCX-2010S	0.197 ± .008	0.106 ± .008	0.028 max.	0.020 ± .012	200VDC	1W
RCX-2512S	0.248 ± .008	0.126 ± .010	0.028 max.	0.026 ± .010	200VDC	2W

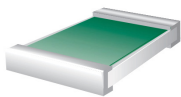
### Dimensional Outline



Item	Specification				
Operating Temperature	-55°C to 150°C				
Resistance Tolerances	<table border="0"> <tr> <td>RCX-0402S</td> <td>2%, 5%, 10%</td> </tr> <tr> <td>RCX-0603S to RCX-2512</td> <td>1%, 2%, 5%, 10%</td> </tr> </table>	RCX-0402S	2%, 5%, 10%	RCX-0603S to RCX-2512	1%, 2%, 5%, 10%
RCX-0402S	2%, 5%, 10%				
RCX-0603S to RCX-2512	1%, 2%, 5%, 10%				

\*Power handling can be extended further using proper thermal management.

### Terminal Style



Full wraparound

### Ordering Information

Example: 100Ω, 5%, 0402, PtAg terminals, 160mW resistor

**RC3** - **0402S** - **1000** **J**

**Terminal Material**

- 3 PtAg
- 8 PtAg (Ultra Leach Resistant)
  - C PtAg with 62/36/2 tin lead silver solder coating
  - H PtAg with 62/36/2 tin lead silver solder coating (Ultra Leach Resistant)
- P PtAg with 96/4 tin silver solder coating
- R PtAg with 96/4 tin silver solder coating (Ultra Leach Resistant)

**Size**

0402S	0603S	0805S
1206S	2010S	2512S

**Tolerances**

F - 1%	J - 5%
G - 2%	K - 10%

**Resistance Value**

The first three digits are significant values. The fourth is the number of zeros following. The R indicates a decimal point when resistance value is less than 100Ω.

✓ Indicates RoHS Compliance

## International Manufacturing Services, Inc.

50 Schoolhouse Ln., Portsmouth RI 02871 USA

Tel (401) 683-9700 • Fax (401) 683-5571 • e-mail: [ims@ims-resistors.com](mailto:ims@ims-resistors.com) • [www.ims-resistors.com](http://www.ims-resistors.com)

## Terminal Metallizations

### Base Metal

Platinum Silver (PtAg)  
ULR Platinum Silver (PtAg)

### No Solder Coating

#### PN Prefix

RC3-   
RC8-

### Sn62 Solder Coat

#### PN Prefix

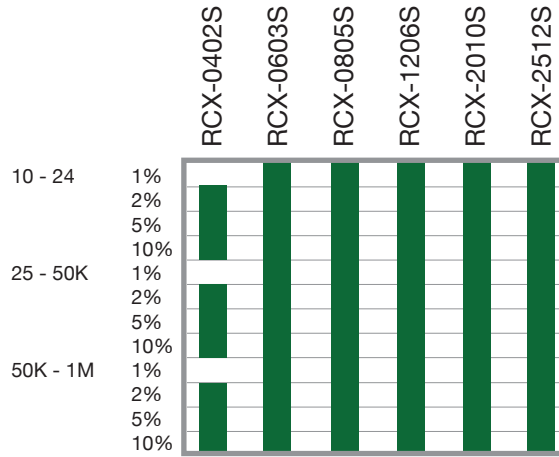
RCC-  
RCH-

### Sn96 Solder Coating

#### PN Prefix

RCP-   
RCR-

Indicates RoHS Compliance



Consult factory for additional values, sizes and tolerances.

[www.ims-resistors.com](http://www.ims-resistors.com)

**ims**