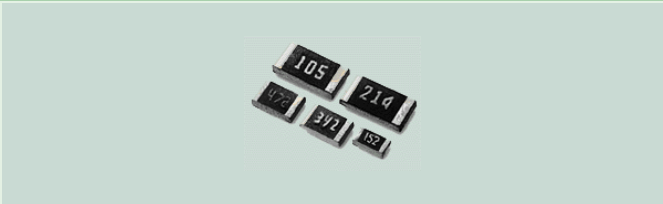


Thick Film Chip Resistor

<input type="checkbox"/> Feature
<input type="checkbox"/> Product Identification
<input type="checkbox"/> Structure
<input type="checkbox"/> Dimension
<input type="checkbox"/> Resistance tolerance
<input type="checkbox"/> Resistance Value
<input type="checkbox"/> Packing Code
<input type="checkbox"/> General Specification



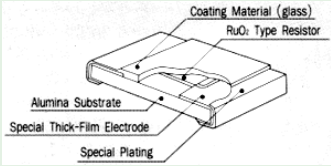
<input type="checkbox"/> Feature
Very small, thin and light weight
Both flow soldering and reflow soldering are applicable
Owing to the reduced lead inductance the high frequency characteristic is excellent
Suitable size and packagin for surface mount assembly

(unit : mm)

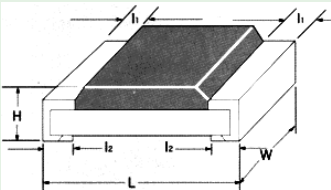
Type	L	W	H	I1	I2
RC1005 (1/16W)	1.000 ± 0.05	0.50 ± 0.05	0.35 ± 0.05	0.20 ± 0.10	0.25 ± 0.10
RC1608 (1/16W)	1.60 ± 0.10	0.80 ± 0.15	0.45 ± 0.10	0.30 ± 0.20	0.35 ± 0.10
RC2012 (1/10W)	2.00 ± 0.20	1.25 ± 0.15	0.50 ± 0.10	0.40 ± 0.20	0.35 ± 0.20
RC3216 (1/8W, 1/4W)	3.20 ± 0.20	1.60 ± 0.15	0.55 ± 0.10	0.45 ± 0.20	0.40 ± 0.20
RC3225 (1/4W)	3.20 ± 0.20	2.55 ± 0.20	0.55 ± 0.10	0.45 ± 0.20	0.40 ± 0.20
RC5025(1/2W)	5.00 ± 0.15	2.5 ± 0.15	0.55 ± 0.15	0.60 ± 0.20	0.60 ± 0.20
RC6432(1W)	6.30 ± 0.15	3.20 ± 0.15	0.55 ± 0.15	0.60 ± 0.20	0.60 ± 0.20

Product Identification

RC	2012	J	100	CS
Code Designation	Dimensions (mm)	Resistance Tolerance	Resistance Value & Resistance Value Marketing	Packaging Code

<input type="checkbox"/>	Structure
	

<input type="checkbox"/>	Dimension
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Resistance tolerance

F:±1%    G:±1%    J:±1%    K:±1%

Resistance Value

1st two digits represents Significant figure.  
The last digit represents the number of zero.  
Jumper Chip is represented as 000.

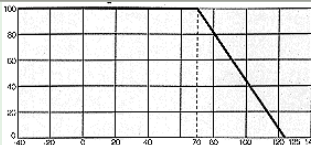
**Resistance Value Marking**

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3 or 4 digit coding system (IEC Coding System)

Packing Code

AS : Tape packaging, 13  
CS : Tape packaging, 7"  
ES : Tape packaging, 10"  
BS : Bulk packaging

General Specification

Description	RC1005	RC1608	RC2012	RC3216	RC3225	RC5025	RC6432	
Power Rating (W) at 70°C	0.063W	0.063W	*0.10W	0.10W *0.125W	0.125W *0.25W	0.25W	0.5W	1W
Pwer Derating Curve	 <p>The ratedpower is the maximum continuous loading power at 70 ° Cambient temperature. For ambient temperature's above 70 ° C the loading power follow the above power derating curve</p>							
Resistance Voltage	$\sqrt{\text{Rated power}(W) \times \text{Normal resistance value}(\Omega)}$ Vdc or rms							
Working Voltage (Max)	50(V)	50(V)	50(V)	100(V)	200(V)	200(V)	200(V)	
Overload Voltage (MAX)	100(V)	100(V)	100(V)	200(V)	400(V)	400(V)	400(V)	
Resistance Range	E24, E12 series marked with 3digits. E96, E48 series marked with 4digits. (unit : mm)							
F(±1%),G (±2%)	10~1M	10~1M	10~1M	10~1M	10~1M	10~1M	10~1M	
J(±5%)	1~3.3M	10~1M	10~1M	0.27~10M	0.27~10M	0.27~10M	0.27~10M	
K(±10%)	1~3.3M	1~10M	1~10M	0.27~10M	0.27~10M	0.27~10M	0.27~10M	
Jumper Chip	50m ohm Max							
Operating Temperature Range	-55°C ~ +125°C							
Rated Ambient Temperature	+70°C							
Temperature	Resistance Tolerance		Resistance Range		Temperature Coefficient			
	J(±5%) K(±10%)		100 ohm≤R ≤1M ohm		± 100ppm/ ° C			
			10 ohm≤R<100 ohm		± 200ppm/ ° C			
			1 ohm≤R <10 ohm 1M ohm≤R ≤10M ohm		± 250ppm/ ° C			

Coefficient	G (±2%) F (±1%)	0.27 ohm≤R <1 ohm	± (600/300)ppm/ ° C
		10 ohm≤R <100 ohm	± 200ppm/ ° C
		100 ohm≤R ≤1M ohm	± 100ppm/ ° C
		1 ohm≤R <10 ohm 1M ohm≤R ≤10M ohm	± 250ppm/ ° C

\*Please specify wattage when power rathering at the mark(\*) is required at the time of odering.