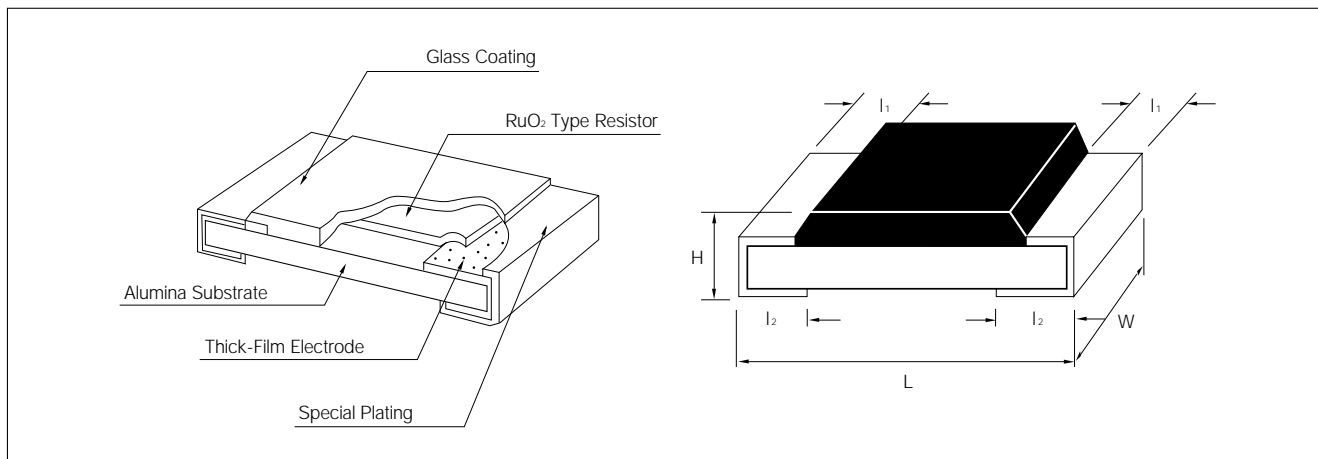


STRUTURE AND DIMENSIONS



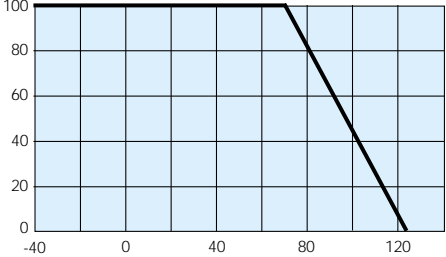
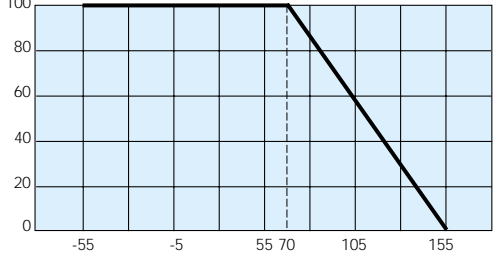
(UNIT : mm)

Type	L	W	H	l ₁	l ₂
RC1005(1/16W)	1.00±0.05	0.50±0.05	0.35±0.05	0.20±0.10	0.25±0.10
RC1608(1/10W)	1.60±0.10	0.80±0.15	0.45±0.10	0.30±0.20	0.35±0.10
RC2012(1/8W)	2.00±0.20	1.25±0.15	0.50±0.10	0.40±0.20	0.35±0.20
RC3216(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	2.50±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

PARTS NUMBERING SYSTEM

RC	2012	J	100	CS
1	2	3	4	5
Code Designation	Dimension (mm)	Resistance Tolerance	Resistance Value	Packaging Code
Chip Resistor -RC :Glass Coating -RH :Polymer Epoxy Coating	1005 : 1.0×0.5 1608 : 1.6×0.8 2012 : 2.0×1.25 3216 : 3.2×1.6 3225 : 3.2×2.55 5025 : 5.0×2.5 6432 : 6.4×3.2	D : ±0.5% F : ±1 % G : ±2 % J : ±5 % K : ±10%	1st two digits represents Significant figures. The last digit represents the number of zeros. Jumper chip is represented as 000	AS : Tape Packaging. 13" CS : Tape Packaging. 7" ES : Tape Packaging. 10" BS : Bulk Packaging.
			Resistance Value Marking	
			3 or 4 digit coding system. (IEC Coding System)	

GENERAL SPECIFICATION

Description	RC1005	RC1608	RC2012	RC3216	RC3225	RC5025	RC6432
Power Rating (W) at 70℃	0.063W	0.10W	0.125W	0.25W	0.25W	0.5W	1W
Power Derating Curve	  <p>■ 1608, 2012, 3216</p> <p>The rated power is the maximum continuous loading power at 70℃ ambient temperature. For ambient temperature's above 70℃ the loading power follows the above power derating curve.</p>						
Rated Voltage	$\sqrt{\text{Rated power(w)} \times \text{Normal resistance value (W)}}$						
Working Voltage(Max)	50V	50V	50V	150V	200V	200V	200V
Overload Voltage(Max)	100V	100V	100V	300V	400V	400V	400V
Resistance Range	(UNIT: Ω)						
D(±0.5%)	-	10~1M	10~1M	10~1M	10~1M	-	-
F(±1%), G(±2%)	10~1M	10~1M	10~1M	10~1M	10~1M	10~1M	10~1M
J(±5%)	10~1M	1~10M	1~10M	1~10M	1~10M	1~10M	1~10M
K(±10%)	10~1M	1~10M	1~10M	1~10M	1~10M	1~10M	1~10M
Jumper Chip	50 mΩ max						
Operating Temperature Range	-55℃ ~ 125℃ -55℃ ~ 155℃ (For 1608, 2012, 3216)						
Rated Temperature Range	70℃						
Temperature Coefficient	Resistance Tolerance	Resistance Range		Temperature Coefficient			
	J (±5%) K (±10%)	1 Ω ≤ R ≤ 10 MΩ		±(300/200) PPM/℃			
		10 Ω ≤ R < 1 MΩ		±100 PPM/℃			
		1 MΩ ≤ R < 10 MΩ		±3 00 PPM/℃			
	G (±2%) F (±1%) D (±0.5%)	10 Ω ≤ R < 1 MΩ		±100 PPM/℃			

* Please specify wattage when power rathing at the mark(*) is required at the time of ordering.