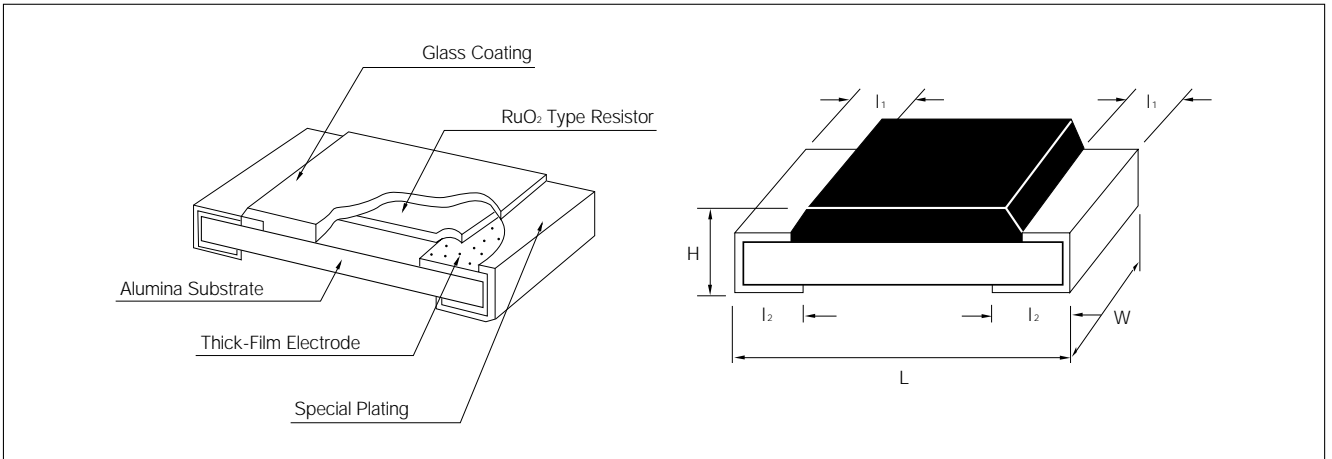


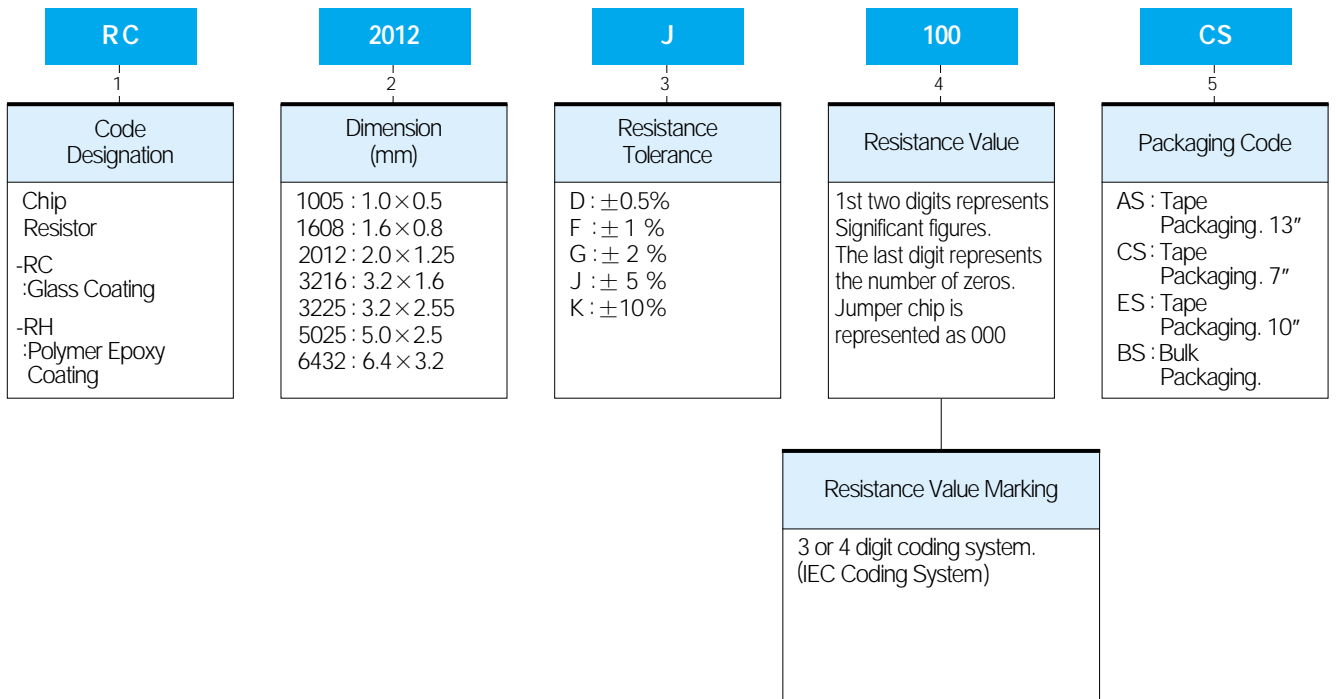
STRUTURE AND DIMENSIONS



(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



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>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.

SPECIFICATION IN THE LOW RESISTANCE RANGE

| Description | RC2012 | RC3216 | RC3225 | RC5025 | RC6432 |
|-------------------------|--------|------------------|--------|--------|--------|
| Power Rating (W) at 70℃ | 0.10W | 0.125W *0.25W | 0.25W | 0.5W | 1W |

| | |
|----------------------|---|
| Power Derating Curve | <p style="text-align: center;">POWER Derating Curve</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 | 100V | 200V | 200V | 200V |
| Overload Voltage(Max) | 100V | 200V | 400V | 400V | 400V |

| | | | | | |
|------------------|-----------------------------|--|--|--|--|
| Resistance range | (UNIT : Ω) | | | | |
| F(±1%) | 0.2 Ω ~ 0.91 Ω (E24 Series) | | | | |
| G(±2%) | | | | | |
| J(±5%) | | | | | |
| K(±10%) | | | | | |

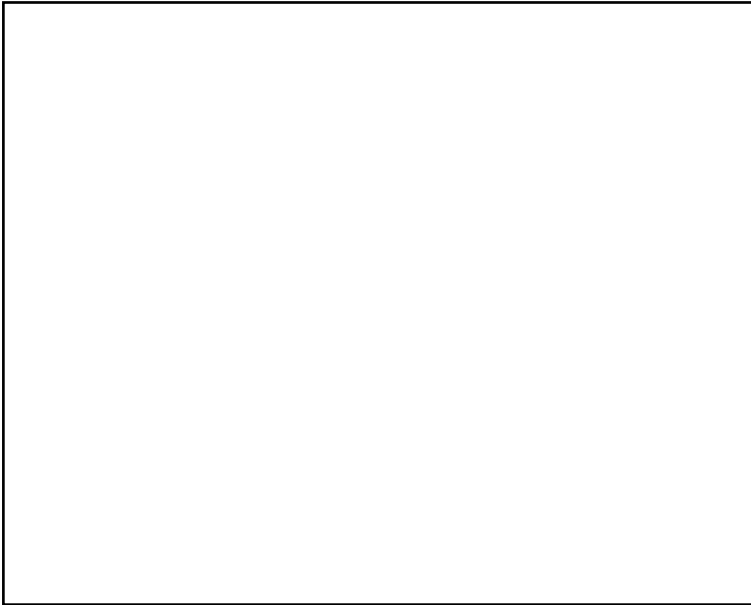
| | | | | | |
|-----------------------------|-------------|--|--|--|--|
| Operating temperature range | -55℃ ~ 125℃ | | | | |
|-----------------------------|-------------|--|--|--|--|

| | | | | | |
|---------------------------|-----|--|--|--|--|
| Rated Ambient Temperature | 70℃ | | | | |
|---------------------------|-----|--|--|--|--|

| Temperature Coefficient | Resistance Tolerance | Resistance Range | Temperature Coefficient |
|-------------------------|----------------------|------------------|-------------------------|
| | F(±1%) | 0.2 Ω ≤ R ≤ 1 Ω | ±200 PPM/℃ |
| | G(±2%) | 0.2 Ω ≤ R ≤ 1 Ω | ±200PPM/℃ |
| | J(±5%) | 0.2 Ω ≤ R ≤ 1 Ω | ±(600/300)PPM/℃ |
| | K(±10%) | 0.2 Ω ≤ R ≤ 1 Ω | ±(600/300)PPM/℃ |

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

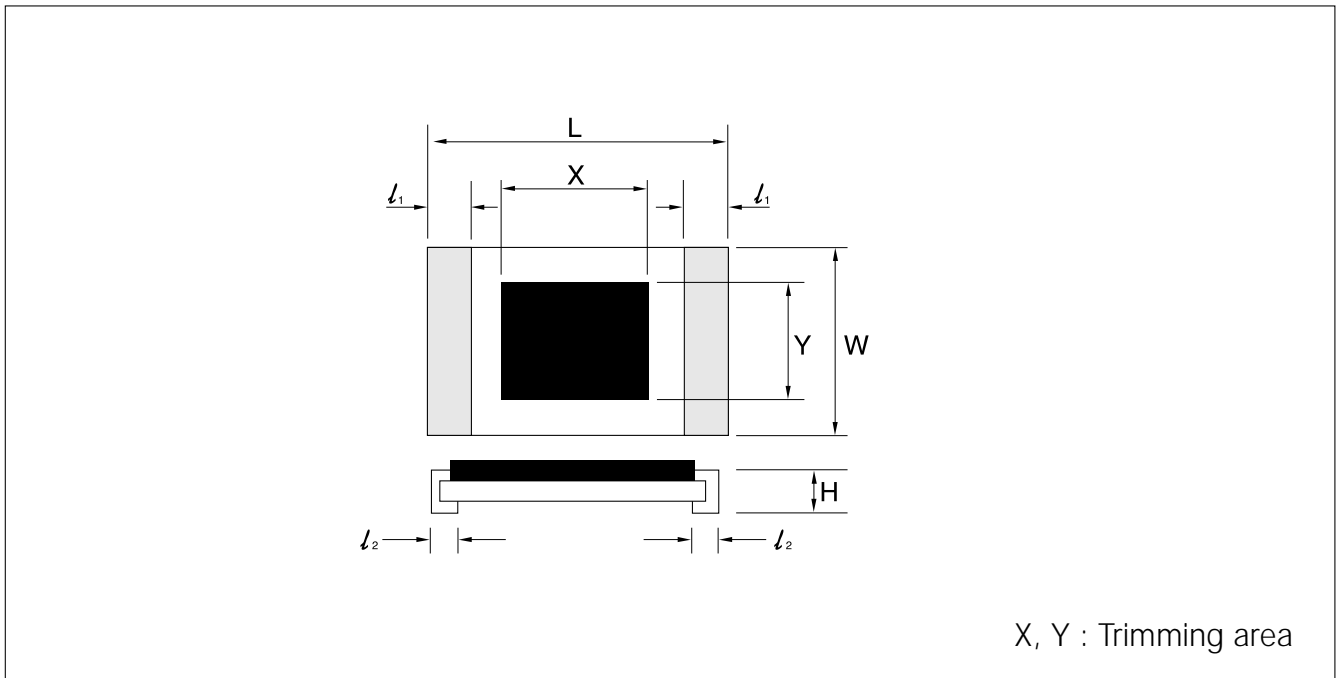
TRIMMABLE CHIP RESISTOR



FEATURES

- Available in use of function trimming.
- Compatible with both wave and reflow soldering.
- Highly stable in auto-placement surface mounting application.
- Excellent electrical characteristic.

DIMENSIONS



(Unit : mm)

| TYPE | L | W | H | l ₁ | l ₂ | X | Y |
|--------|-----------|-----------|-----------|----------------|----------------|-----------|-----------|
| RT1608 | 1.60±0.10 | 0.80±0.15 | 0.45±0.10 | 0.30±0.20 | 0.35±0.10 | 0.50±0.10 | 0.40±0.10 |
| RT2012 | 2.00±0.20 | 1.25±0.15 | 0.50±0.10 | 0.40±0.20 | 0.35±0.20 | 0.70±0.10 | 0.60±0.10 |
| RT3216 | 3.20±0.20 | 1.60±0.15 | 0.55±0.10 | 0.45±0.20 | 0.40±0.20 | 1.30±0.10 | 1.00±0.10 |

GENERAL SPECIFICATION

| RT | 2012 | M | 100 | CS |
|-------------------------|---|----------------------|--|--|
| Code Designation | Dimension (mm) | Resistance Tolerance | Resistance Value | Packaging Code |
| Trimmable Chip Resistor | 1608:1.6×0.8 2012:2.0×1.25 3216:3.2×1.6 | K = ±10% | E12 Series E6 Series (IEC Coding system) | CS : Tape Packaging GS : Bulk Packaging |

* RT:DIP Type(Major)

RATING

| Type | Power Rating | Working Voltage (MAX) | Over load Voltage (MAX) | Resistance Range | Operating Temperature Range | Rating Ambient Temperature | Temperature Coefficient |
|--------|--------------|-----------------------|-------------------------|------------------|-----------------------------|----------------------------|----------------------------|
| RT1608 | 1/16W | 50 V | 100 V | 1~10 MΩ | -55 °C ~ +125 °C | +70 °C | ±200ppm/ °C ±300ppm/ °C |
| RT2012 | 1/10W | 100 V | 200 V | 1~10 MΩ | | | |
| RT3216 | 1/8W | 200 V | 400 V | 1~10 MΩ | | | |
| | 1/4W | 200 V | 400 V | 1~10 MΩ | | | |

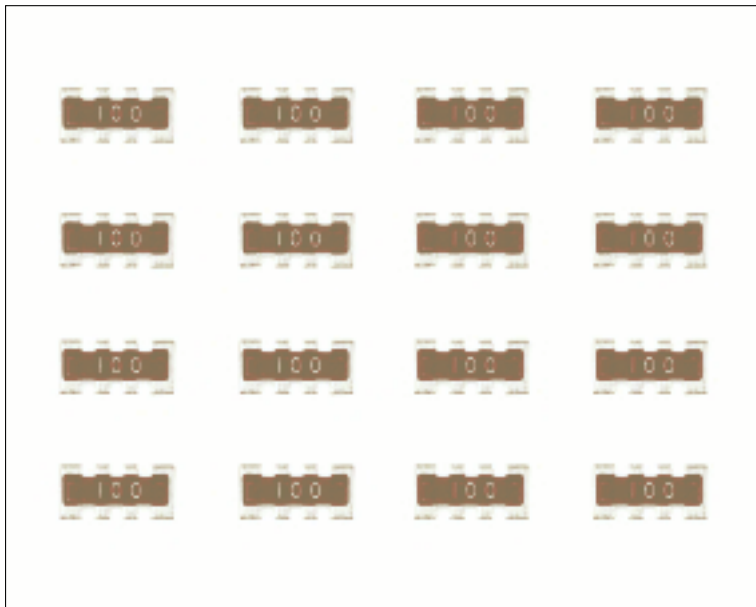
PACKAGING

- The Chip Network Resistors can be supplied with packaged carrier tape for effective use in SMD machine.
- All Reel taping specifications are in accordance with EIAJ RC-1009.
- Standard Quantity :

| | |
|--------------|---------------|
| 7 inch reel | 5,000/1 reel |
| 13 inch reel | 20,000/1 reel |

- Chip Resistor for Bulk shall be in the polyethylene bag and Quantity of the Chip Resistors in bag is determined by customer orders.(Standard Quantity : 5,000EA)

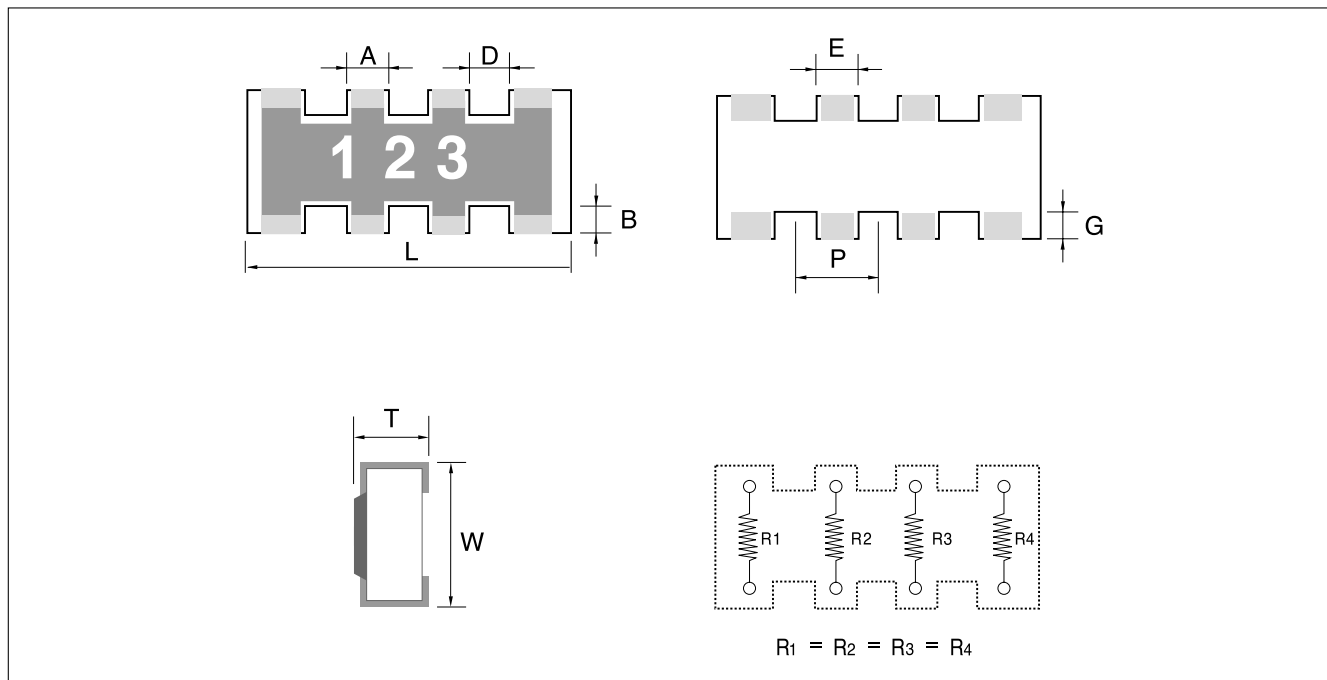
R/R TYPE CHIP NET WORK RESISTOR



FEATURES

- High density mouting
- Improvement of placement efficiency.
- Automatic placement.

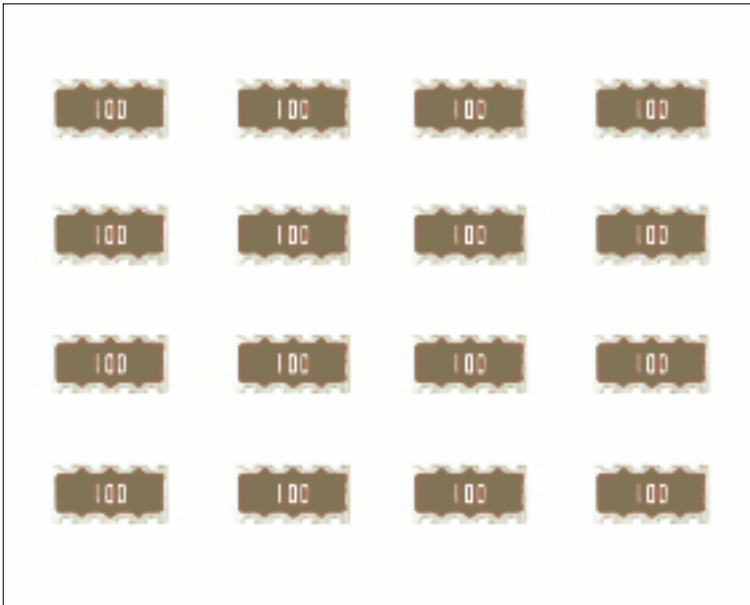
DIMENSIONS



UNIT [mm]

| TYPE | L | W | T | A | D | B | P | E | G |
|--------|---------|---------|---------|---------|----------|----------|----------|---------|----------|
| RR164P | 3.2±0.2 | 1.5±0.2 | 0.5±0.2 | 0.5±0.2 | Max 0.16 | 0.25±0.2 | 0.8±0.15 | 0.5±0.2 | 0.25±0.2 |

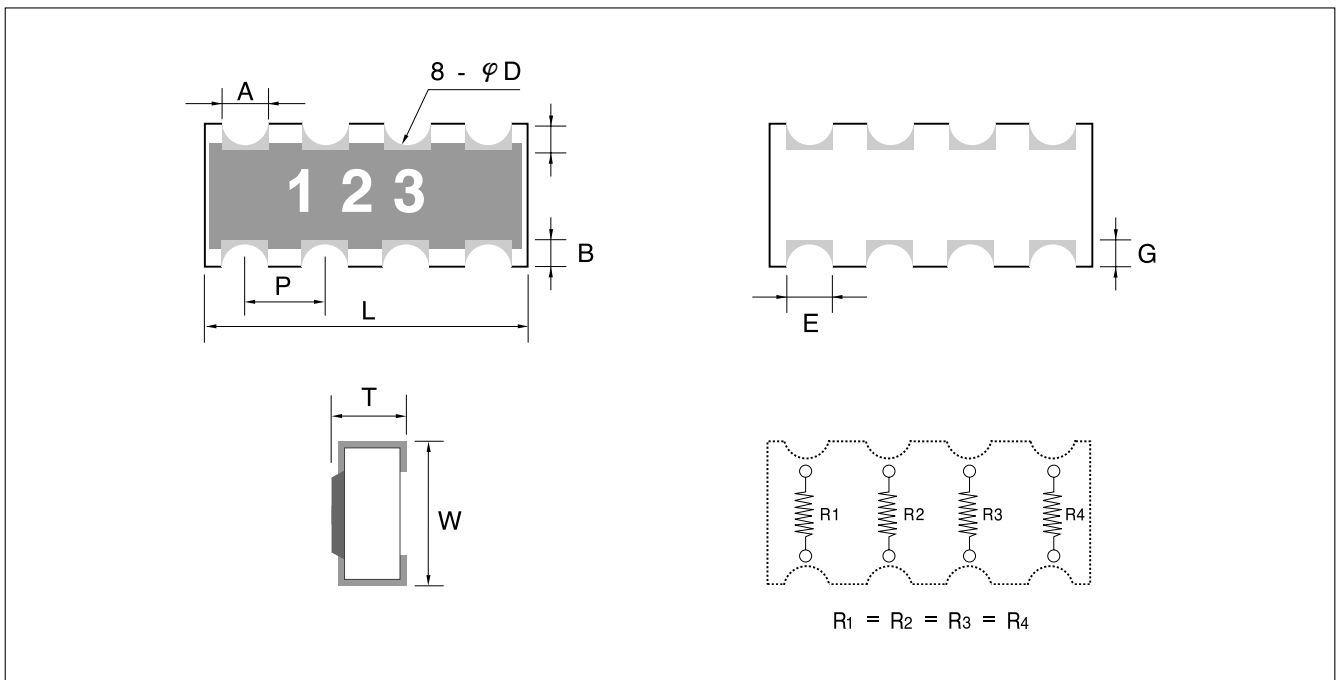
R/R TYPE CHIP NET WORK RESISTOR



FEATURES

- High density mouting
- Improvement of placement efficiency.
- Automatic placement.

DIMENSIONS



UNIT [mm]

| TYPE | L | W | T | A | D | B | P | E | G |
|--------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|-----------------|
| RN164P | 3.2 ± 0.2 | 1.6 ± 0.2 | 0.6 ± 0.1 | 0.45 ± 0.1 | 0.3 ± 0.1 | 0.3 ± 0.2 | 0.8 ± 0.1 | 0.45 ± 0.1 | 0.40 ± 0.15 |

PARTS NUMBERING SYSTEM

| RP/RN | 16/10 | 4P | J | 103 | CS |
|-----------------------|------------------------------|---------------------|--------------------------------|-----------------------------------|---|
| Code Designation | Dimension (mm) | Number of Resistors | Resistance Tolerance | Resistance Value | Packaging Code |
| Chip Network Resistor | 16:1608 Type 10:1005 Type | 4p : 4 Resistors | G : ±2% J : ±5% K : ±10% | E24 Series (IEC Coding system) | CS/AS/ES : Tape Packaging GS : Bulk Packaging |

- * RP, RR: Dip Type(Convex Type)
- * RN: Through Hole Type(Concave Type)

RATING

| Type | Power Rating | Working Voltage (MAX) | Overload Voltage (MAX) | Resistance Range | Operting Temperature Range | Rating Ambient Temperature | Temperature Coefficient |
|--------|--------------|-----------------------|------------------------|------------------|----------------------------|----------------------------|-------------------------|
| RP104P | 1/16W | 50V | 100V | 10~1M | -55 ~ 125°C | +70°C | ±250 PPM/°C |
| RP164P | 1/16W | 50V | 100V | 10~1M | -55 ~ 125°C | +70°C | ±250 PPM/°C |
| RN164P | 1/16W | 50V | 100V | 10~1M | -55 ~ 125°C | +70°C | ±250 PPM/°C |

PACKAGING

- The Chip Network Resistors can be supplied packaged carrier tape for effective use SMD machine.
- All Reel taping specifications are in accordance with EIAJ RC-1009.
- Standard Quantity :

| | |
|--------------|---------------------------------|
| 7 inch reel | 5,000EA/1 reel |
| 10 inch reel | 10,000EA/1 reel |
| 13 inch reel | 20,000EA/1 reel(15,000EA/1reel) |

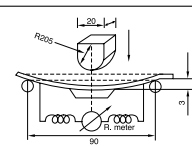
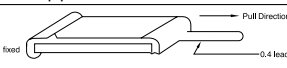
- Chip Network Resistor for Bulk shall be in the plastic case and Quantity of the Chip Resistors in bag is determined by customer orders.(Standard Quantity : 5,000EA)

CHARACTERISTICS PERFORMANCE

ELECTRICAL CHARACTERISTICS

| Item | Specification | Test Method | | | | | | | | | | | | | | |
|--|--|--|------------------------------|---------------------|-----------|-----|-------------------|-----|-------------------|---|---------------------|----|--------------------|----|-------------|----|
| Direct Current Resistance | Within the regulated resistance tolerance. Jumper chip $\leq 50 M\Omega$ | Applying time: within 5 sec <table border="1"> <thead> <tr> <th>Resistance range(Ω)</th> <th>Max test voltage(V)</th> </tr> </thead> <tbody> <tr> <td>$R < 100$</td> <td>0.3</td> </tr> <tr> <td>$100 \leq R < 1K$</td> <td>1.0</td> </tr> <tr> <td>$1K \leq R < 10K$</td> <td>3</td> </tr> <tr> <td>$10K \leq R < 100K$</td> <td>10</td> </tr> <tr> <td>$100K \leq R < 1M$</td> <td>25</td> </tr> <tr> <td>$1M \leq R$</td> <td>50</td> </tr> </tbody> </table> | Resistance range(Ω) | Max test voltage(V) | $R < 100$ | 0.3 | $100 \leq R < 1K$ | 1.0 | $1K \leq R < 10K$ | 3 | $10K \leq R < 100K$ | 10 | $100K \leq R < 1M$ | 25 | $1M \leq R$ | 50 |
| Resistance range(Ω) | Max test voltage(V) | | | | | | | | | | | | | | | |
| $R < 100$ | 0.3 | | | | | | | | | | | | | | | |
| $100 \leq R < 1K$ | 1.0 | | | | | | | | | | | | | | | |
| $1K \leq R < 10K$ | 3 | | | | | | | | | | | | | | | |
| $10K \leq R < 100K$ | 10 | | | | | | | | | | | | | | | |
| $100K \leq R < 1M$ | 25 | | | | | | | | | | | | | | | |
| $1M \leq R$ | 50 | | | | | | | | | | | | | | | |
| T.C.R(Resistance Temperature Characteristic) | $1 \leq R < 10$: $+300ppm/^{\circ}C$ $-200ppm/^{\circ}C$ $10 \leq R < 1M$: $\pm 100ppm/^{\circ}C$ $1M \leq R \leq 10M$: $\pm 300ppm/^{\circ}C$ | Test temperature($^{\circ}C$) (20) \rightarrow (-55) \rightarrow (20) \rightarrow (125) \rightarrow (20) T.C.R(ppm/ $^{\circ}C$) = $(R-R_0)/R_0 \times 1/(T-T_0) \times 10^6$ $T = 20(^{\circ}C)$ T = Test temperature($^{\circ}C$) R_0 = Resistance at room temperature(Ω) R = Resistance at T(Ω) | | | | | | | | | | | | | | |
| Short-time Overload | ΔR : $\leq \pm(1\%+0.1 \Omega)$ of the initial value Visual : No evidence of mechanical damage Jumper chip : $\leq 50 M\Omega$ | Apply 2.5 times rated voltage for 5sec. Wait 30 minutes at room temperature and measure the resistance value. | | | | | | | | | | | | | | |
| Intermittent Overload | ΔR : $\leq \pm(3\%+0.1 \Omega)$ of the initial value Visual : No evidence of mechanical damage Jumper chip : $\leq 50 M\Omega$ | Perform 10,000 cycles at 2.5 times RCW or the Max. over load voltage ON(2.5 times rated volage) : 1 sec OFF : 25 sec Have stabilization time of 30 minutes without loading and measure resistance. | | | | | | | | | | | | | | |
| Dielectric withstanding Voltage | No evidence of mechanical damage. | Apply AC 500V for 1 minute. 1005(1/16W), 1608(1/16W):Apply AC 100V for 1 minute | | | | | | | | | | | | | | |
| Insulation Resistance | Over the 1000 $M\Omega$ | Apply DC 500V for 1 minute. 1005(1/16W), 1608(1/16W):Apply DC 100V for 1 minute | | | | | | | | | | | | | | |

MECHANICAL CHARACTERISTICS

| Item | Specification | Test Method | | | | | | | | | | | | |
|----------------------------|---|---|----------------------------|-----------|----------|-----|-----------|-----|---------|----|-----------|----|----------|----|
| Solderability | Coverage : $\geq 95\%$ each termination. Visual : No crack of termination parts and ceramic exposure of surface by melting | After immersing in flux. dip into the $235 \pm 5^{\circ}C$ molten solder for 2 ± 0.5 sec Solder : S63A(KSD 6704) Flux : ROSIN(KSM 2951) Flux is the composition of ROSIN and the methanol Weight rate of ROSIN is about 25% | | | | | | | | | | | | |
| Bending Test | ΔR : $\leq \pm(0.5\%+0.05 \Omega)$ of the initial value Visual : No evidence of mechanical damage. | After soldering resistor on the PCB, 3mm of bending shall be applied for 10 sec. Material of PCB : Glass Epoxy Thickness : 1.6mm Measure resistance during load application  | | | | | | | | | | | | |
| Terminal Streight | Load pull : $\geq 0.5kg$ 1005(1/16W), 1608(1/16W) $\geq 0.3kg$ | pull Direction fixed 0.4 lead  | | | | | | | | | | | | |
| Terminal Streight | ΔR : $\leq \pm(1\%+0.05 \Omega)$ of the initial value Visual : No evidence of mechanical damage. | Immerse in molten solder at $260 \pm 5^{\circ}C$ for 10 ± 1 sec. Preheat and soldering Procedure <table border="1"> <thead> <tr> <th>Temperature($^{\circ}C$)</th> <th>Time(sec)</th> </tr> </thead> <tbody> <tr> <td>80 - 100</td> <td>120</td> </tr> <tr> <td>150 - 180</td> <td>120</td> </tr> <tr> <td>260 + 5</td> <td>10</td> </tr> <tr> <td>150 - 180</td> <td>60</td> </tr> <tr> <td>80 - 100</td> <td>60</td> </tr> </tbody> </table> Solder : S63A(SSD 6704) Flux : The composition of ROSIN (KSM295)25% and methanol (KSM 1658)75% | Temperature($^{\circ}C$) | Time(sec) | 80 - 100 | 120 | 150 - 180 | 120 | 260 + 5 | 10 | 150 - 180 | 60 | 80 - 100 | 60 |
| Temperature($^{\circ}C$) | Time(sec) | | | | | | | | | | | | | |
| 80 - 100 | 120 | | | | | | | | | | | | | |
| 150 - 180 | 120 | | | | | | | | | | | | | |
| 260 + 5 | 10 | | | | | | | | | | | | | |
| 150 - 180 | 60 | | | | | | | | | | | | | |
| 80 - 100 | 60 | | | | | | | | | | | | | |
| Anti-Vibration Test | ΔR : $\leq \pm(1\%+0.05 \Omega)$ of the initial value Visual : No evidence of mechanical damage. | 2 hours each in X, Y, and Z axis(toyal 6 hours) 10 to 55 Hz sweep in 1 minute amplitude. | | | | | | | | | | | | |

THICK FILM CHIP RESISTORS

ELECTRICAL CHARACTERISTICS

| Item | Specification | Test Method | | | | | | | | | | | | | | | |
|---|---|--|-----|-----------------------------------|-----------|---|-------------|----|---|------------|----|---|-------------|----|---|------------|----|
| Low Temperature exposure | $\Delta R : \leq \pm(3\%+0.1 \Omega)$ of the initial value. Visual : No evidence of mechanical damage. | Dwell in -55°C chamber without loading for 1000 ± 12 hours Dwell for 60 minutes at Room temperature and Measure resistance value. | | | | | | | | | | | | | | | |
| Temperature Cycle | $\Delta R : \leq \pm(1\%+0.1 \Omega)$ of the initial value. Visual : No evidence of mechanical damage. | Perform 100Cycles as follows. <table border="1"> <thead> <tr> <th>No.</th> <th>Temperature($^{\circ}\text{C}$)</th> <th>Time(min)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-55 ± 3</td> <td>30</td> </tr> <tr> <td>2</td> <td>20 ± 3</td> <td>15</td> </tr> <tr> <td>3</td> <td>125 ± 3</td> <td>30</td> </tr> <tr> <td>4</td> <td>20 ± 3</td> <td>15</td> </tr> </tbody> </table> | No. | Temperature($^{\circ}\text{C}$) | Time(min) | 1 | -55 ± 3 | 30 | 2 | 20 ± 3 | 15 | 3 | 125 ± 3 | 30 | 4 | 20 ± 3 | 15 |
| No. | Temperature($^{\circ}\text{C}$) | Time(min) | | | | | | | | | | | | | | | |
| 1 | -55 ± 3 | 30 | | | | | | | | | | | | | | | |
| 2 | 20 ± 3 | 15 | | | | | | | | | | | | | | | |
| 3 | 125 ± 3 | 30 | | | | | | | | | | | | | | | |
| 4 | 20 ± 3 | 15 | | | | | | | | | | | | | | | |
| Load Life in Moisture | At $R < 10 \Omega$ $\Delta R : \leq \pm 5\%$ At $R < 1 \text{ M}\Omega$ $\Delta R : \leq \pm(3\% + 0.1 \Omega)$ At $R \geq 1 \text{ M}\Omega$ $\Delta R : \leq \pm 5\%$ Visual : No evidence of mechanical damage. | Temperature : $40 \pm 2^{\circ}\text{C}$ RH : 90-95% Applying rated voltage for 90 minutes "ON" and 30minutes"OFF" Duration : 1000 hours Dwell in Room temperature for 1 hour and measure resistance value. | | | | | | | | | | | | | | | |
| Load Life in high Temperature | At $R < 10 \Omega$ $\Delta R : \leq \pm 5\%$ At $R < 1 \text{ M}\Omega$ $\Delta R : \leq \pm(3\% + 0.1 \Omega)$ At $R > 1 \text{ M}\Omega$ $\Delta R : \leq \pm 5\%$ | Temperature : $70 \pm 3^{\circ}\text{C}$ at rated voltage. Applying rated voltage for 90 minutes "ON" and 30minutes"OFF" Duration : 1000 hours Dwell in Room temperature for 1 hour and measure resistance value. | | | | | | | | | | | | | | | |
| Heat Resistance (High Temperature Exposure) | $\Delta R : \leq \pm(3\%+0.1 \Omega)$ of the initial value. Visual : No evidence of mechanical damage. | Dwell in $125 \pm 3^{\circ}\text{C}$ chamber without loading for 1000 ± 12 hours Dwell in Room temperature for 1 hour and measure resistance value. | | | | | | | | | | | | | | | |

PACKAGING

- The Chip Resistor can be supplied with packaged carrier tape for effective use in SMD machine.
- All Reel taping specifications are in accordance with EIAJ RC-1009.
- Standard Quantity :

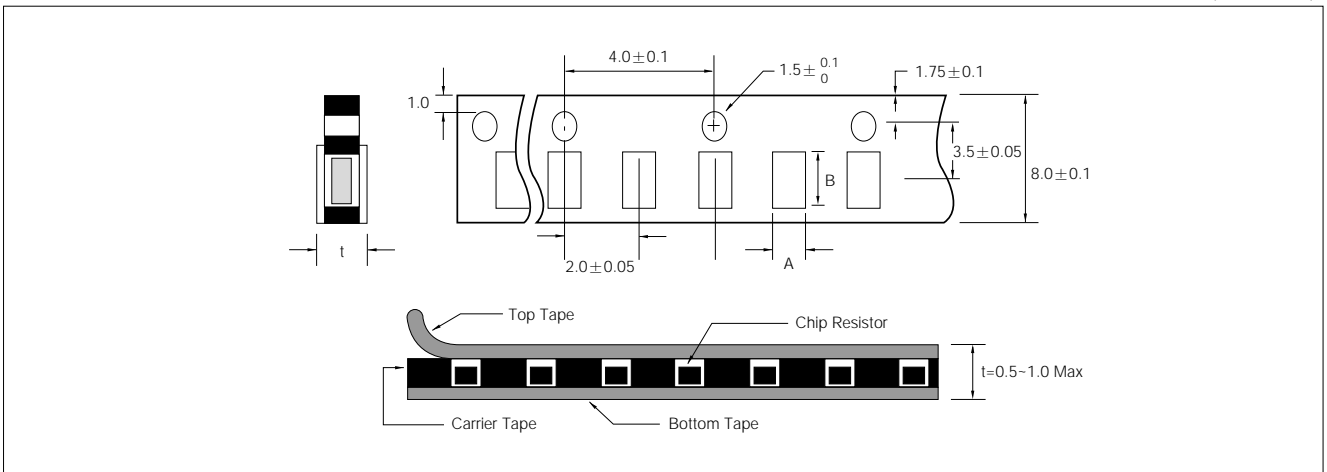
| REEL SIZE | 1005 | 1608, 2012, 3216 | 5025, 6432 |
|--------------|-----------------|------------------|-----------------|
| 7 inch reel | 10,000EA/1 reel | 5,000EA/1 reel | 4,000EA/1 reel |
| 10 inch reel | - | 10,000EA/1 reel | - |
| 13 inch reel | 40,000EA/1 reel | 20,000EA/1 reel | 15,000EA/1 reel |

- Chip Resistor for Bulk shall be in the plastic Quantity of the Chip Resistors in bag is determined by custom orders.(Standard Quantity : 5,000EA)

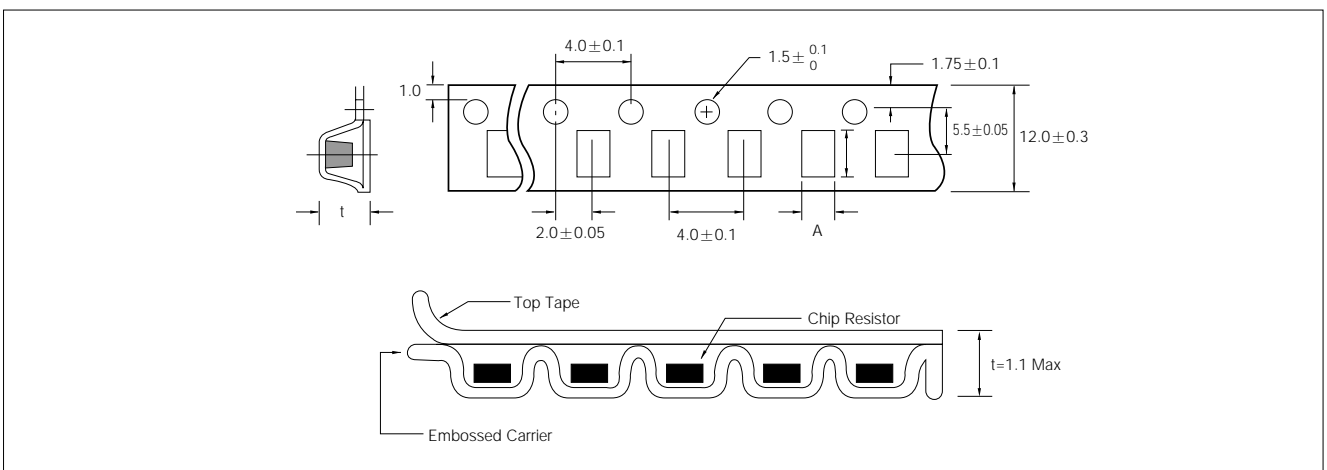
CARRIER TAPE DIMENSIONS

►This is applied to 1005 series.

(Unit: mm)



►This is applied to 5025, 6432 series.



• WINDOW DIMENSIONS

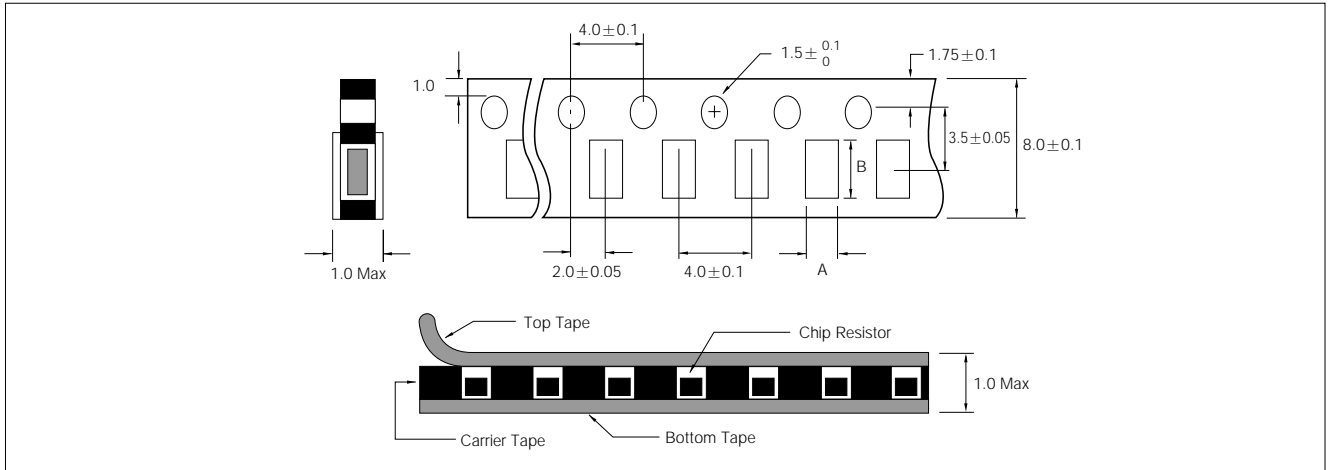
(mm)

| SIGN. | ITEM | RC 1005 (1/16W) | RC 5025 (1/2W) | RC 6432 (1W) |
|-------|------|--------------------|-------------------|-----------------|
| A | | 0.7±0.10 | 2.80 | 3.50±0.10 |
| B | | 1.20±0.10 | 5.32±0.20 | 6.75±0.10 |
| t | | 0.5(MAX) | 1.10(MAX) | 1.10(MAX) |

THICK FILM CHIP RESISTORS

► This is applied to 1608, 2012, 3216, 3225 series

(Unit: mm)

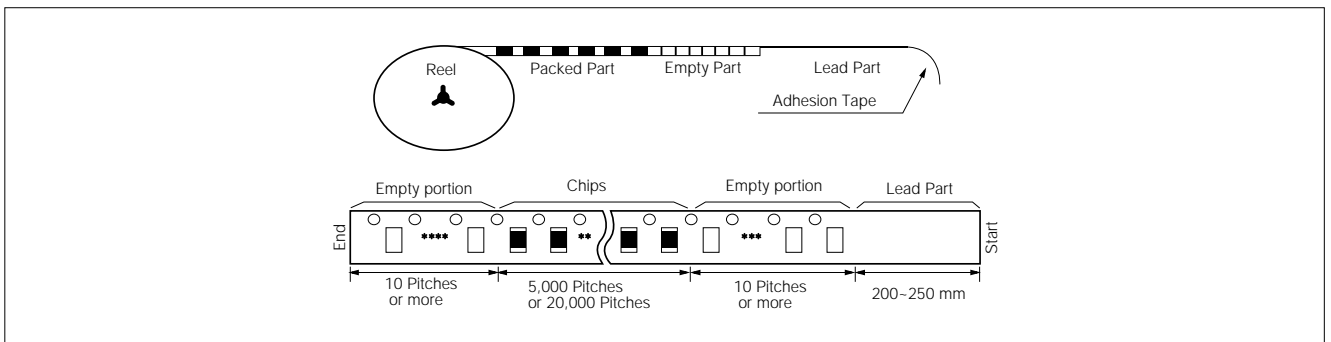


• WINDOW DIMENSIONS

(mm)

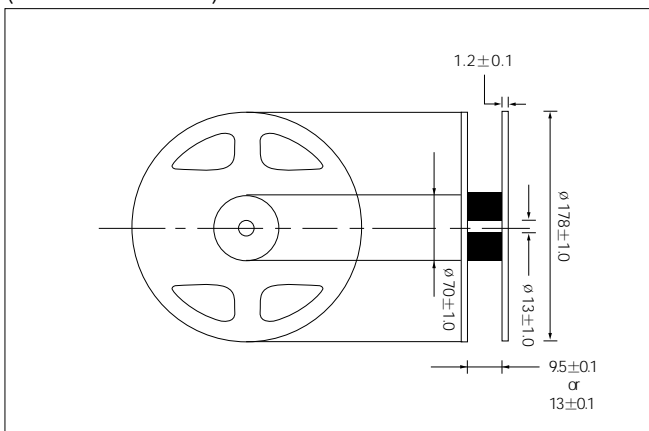
| SIGN. | ITEM | RC 1608 (1/16W) | RC 2012 (1/10W) | RC 3216 (1/8, 1/4W) | RC 3225 (1/4W) |
|-------|------|--------------------|--------------------|------------------------|-------------------|
| A | | 1.10±0.20 | 1.65±0.20 | 2.00±0.20 | 2.90±0.20 |
| B | | 1.90±0.20 | 2.40±0.20 | 3.60±0.20 | 3.60±0.20 |
| t | | 0.90(MAX) | 1(MAX) | 1(MAX) | 1(MAX) |

TAPING METHOD



REEL DIMENSIONS

(ϕ 178mm : 7 inch)



(ϕ 330mm : 13 inch)

