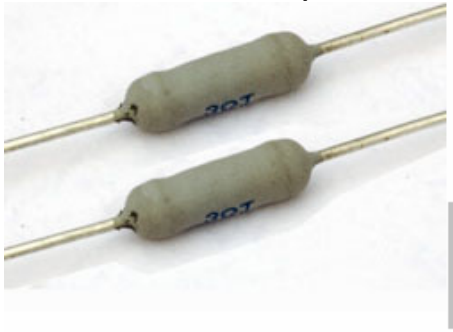
# RX711, RX712 Series Power Precision Wire-wound Resistor



■ Small TCR, high accuracy

■ Wide resistance range, small size

## RX711，RX712 Power Precision Wire-wound Resistor

### ★ Standard

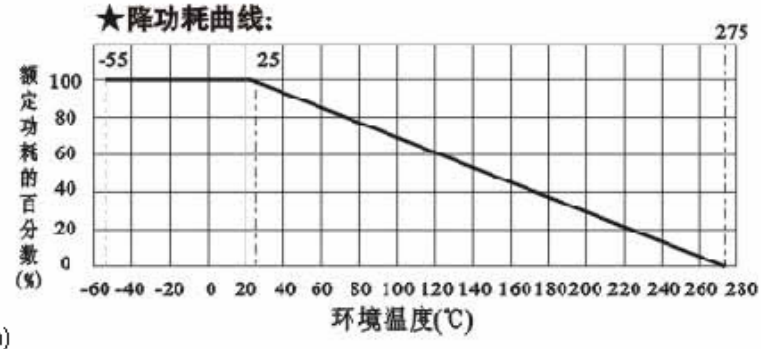
▲ Q/RU161-2002 Type RX711,RX712 wire-wound resistor specification

▲ Q/RU20002Power wire-wound resistor general specification

▲ Q/RU20002.4Type RX711 wire-wound resistor specification

▲ Q/RU20002.6Type RX712 wire-wound resistor specification

★降功耗曲线:

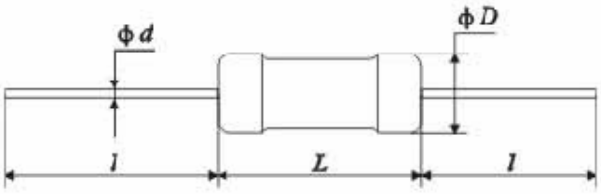



### ★ Dimension

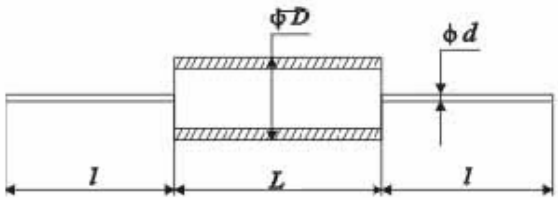
(mm)

| Type | Resistor dimension (max) | | Terminal dimension | |
|---|---|---|---|---|
| | D | L | d±0.05 | l±2 |
| RX711-1 | 2.7 | 7.1 | 0.6 | 25 |
| RX711-1.5 | 2.7 | 8.5 | 0.6 | 25 |
| RX711-2 | 3 | 11 | 0.6 | 25 |
| RX711-3 | 5.5 | 15.5 | 0.8 | 25 |
| RX712-1 | 2.7 | 7.1 | 0.6 | 25 |
| RX712-1.5 | 2.7 | 8.5 | 0.6 | 25 |
| RX712-2 | 2.7 | 11 | 0.6 | 25 |
| RX712-3 | 5 | 15.5 | 0.8 | 25 |
| RX712-4 | 6 | 16 | 0.8 | 25 |

RX712




RX711




### ★ Main specification

| Type | Power (W) | Nominal resistance (Ω) | Resistance tolerance ±(%) | TCR ±(×10⁻⁶/℃) | Resistance series | Environment conditions (℃) |
|---|---|---|---|---|---|---|
| RX711-1 | 1 | 0.1~1K | 0.5(D)<br>1(F)<br>2(G)<br>5(J) | 30<br>50<br>100 | E24<br>E48 | -55~25~275 |
| RX711-1.5 | 1.5 | 0.1~1K | | | | |
| RX711-2 | 2 | 0.1~2K | | | | |
| RX711-3 | 3 | 0.1~3.9K | | | | |
| RX712-1 | 1 | 0.1~1K | | | | |
| RX712-1.5 | 1.5 | 0.1~1K | | | | |
| RX712-2 | 2 | 0.1~2K | | | | |
| RX712-3 | 3 | 0.1~3.9K | | | | |
| RX712-4 | 4 | 0.1~4K | | | | |

## ★ Main inspection items, methods & requirements

| Items | Requirements | Methods |
|---|---|---|
| Solderability | Solder can free flow | 235± 5℃ 2±0.5s |
| Terminal strength | ΔR≤±(0.2%R+0.05Ω) | Pull φ0.6 10N 0.8 20N |
| Constant damp-heat | ΔR≤±(0.5%R+0.05Ω) | 40± 2℃ humidity (90~95)% 96h |
| Temperature change | ΔR≤±(0.5%R+0.05Ω) | -55℃ /+ 150℃ 3 time |
| TCR | ±100×$10^{-6}$/℃(≥10Ω) | -55℃ / 20℃ 20℃ / 150℃ |
| Mechanical load | ΔR≤±(0.5%R+0.05Ω) | viberation50Hz 150m /$s^2$ 30min<br>sweep-frequency55~500Hz 150m /$s^2$ 13min<br>shock 500m /$s^2$ 18 time |
| Endurance at room temperature | ΔR≤±(1%R+0.05Ω) | $V_R$ 96h |
| Life test | ΔR≤±(5%R+0.1Ω) | $V_R$ 1000h |