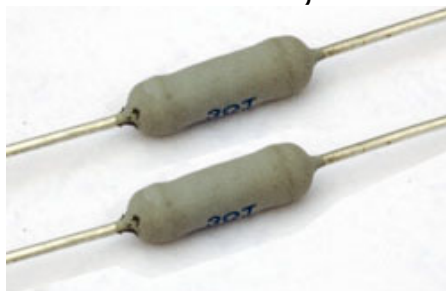


RX711, RX712 Series Power Precision Wire-wound Resistor



■ Small TCR, high accuracy

■ Wide resistance range, small size

RX711, RX712 Power Precision Wire-wound Resistor

★ Standard

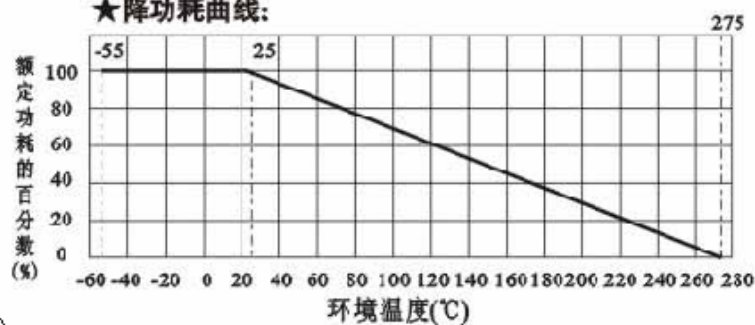
▲ Q/RU161-2002 Type RX711,RX712 wire-wound resistor specification

▲ 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:

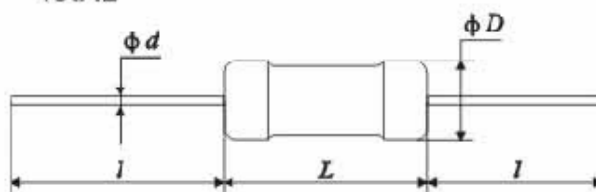


★ Dimension

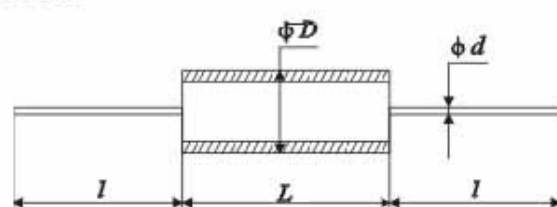
(mm)

Type	Resistor dimension (max)		Terminal dimension	
	D	L	$d \pm 0.05$	$l \pm 2$
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 $\pm(\times 10^{-6}/^{\circ}\text{C})$	Resistance series	Environment conditions (°C)
RX711-1	1	0.1~1K	0.5(D) 1(F) 2(G) 5(J)	30 50 100	E24 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	$235 \pm 5^{\circ}\text{C}$ $2 \pm 0.5\text{s}$
Terminal strength	$\Delta R \leq \pm(0.2\%R + 0.05\Omega)$	Pull $\phi 0.6$ 10N 0.8 20N
Constant damp-heat	$\Delta R \leq \pm(0.5\%R + 0.05\Omega)$	$40 \pm 2^{\circ}\text{C}$ humidity (90~95)% 96h
Temperature change	$\Delta R \leq \pm(0.5\%R + 0.05\Omega)$	-55°C / $+150^{\circ}\text{C}$ 3 time
TCR	$\pm 100 \times 10^{-6}/^{\circ}\text{C} (\geq 10\Omega)$	-55°C / 20°C 20°C / 150°C
Mechanical load	$\Delta R \leq \pm(0.5\%R + 0.05\Omega)$	vibration 50Hz 150m /s ² 30min sweep-frequency 55_500Hz 150m /s ² 13min shock 500m /s ² 18 time
Endurance at room temperature	$\Delta R \leq \pm(1\%R + 0.05\Omega)$	V_R 96h
Life test	$\Delta R \leq \pm(5\%R + 0.1\Omega)$	V_R 1000h