LOW-RESISTANCE PRECISION WIREWOUND RESISTORS

RX76 / RX10

Product datasheet

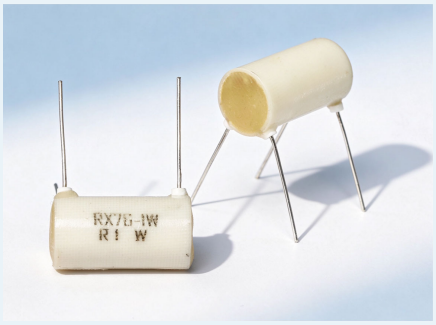
Features

- Tight tolerances and low temperature coefficient of resistance
- Moisture and corrosion resistance for harsh environments
- Low resistance and low inductance

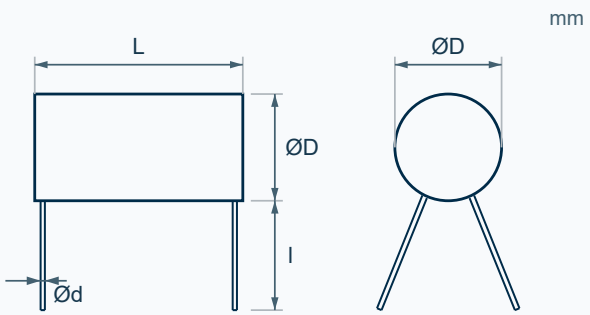
Applications

Meters and instruments, electronic scales, and other electronic devices

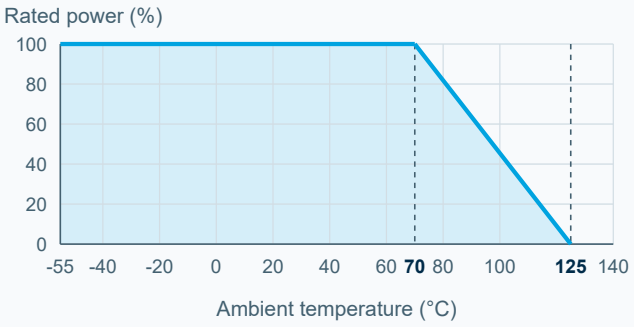
Reference standard SJ904-74



RX76 outline drawing



Power derating



Main specifications

Dimensions and specifications available for RX76 only

Type	Rated power W	Dimensions (mm)				Resistance range Ω	Tolerance %	TCR ppm/°C
		D_{max}	L_{max}	d	l			
RX76	0.5	8	15.5	0.8	30	0.005 to 10	±0.05 (W) ±1 (B) ±0.25 (C) ±0.5 (D) ±1 (F)	±5 to ±50
	1	12	21					
	2	15	27.5					
	3	18	38	1				

The source lists both tolerance codes B and F as ±1%.

Inspection requirements and test conditions

Test	Requirement	Test conditions
Solderability	≥95%	235 ± 5 °C, 2 ± 0.5 s
Temperature coefficient (TCR)	±5 to ±50 ppm/°C	-55 °C / 20 °C, 20 °C / 125 °C
Terminal tensile strength	No mechanical damage	10 N, 30 s
Steady-state damp heat	|ΔR| ≤ 0.5% R + 0.05 Ω	40 ± 2 °C, (93 ± 3)% RH
Vibration	|ΔR| ≤ 0.25% R + 0.05 Ω	10-1000 Hz, 0.75 mm, 200 m/s²
Shock	|ΔR| ≤ 0.25% R + 0.05 Ω	1000 m/s², 6 ms
Overload	|ΔR| ≤ 0.25% R + 0.05 Ω	2.5 × V_R, 5 s
Endurance at 70 °C	|ΔR| ≤ 0.5% R + 0.05 Ω	70 °C, P_R, 1000 h