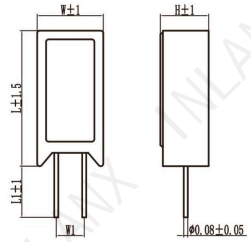
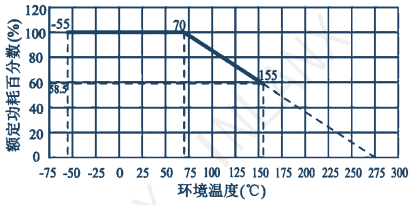
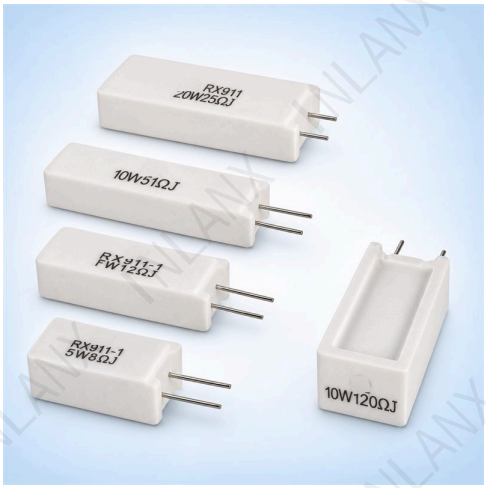
RX911 Wirewound Fixed Resistor

Outline Drawing



Derating Curve





Grades QB and J; detail specification Q/RU 166-2004; general specification GB/T 5729-2003.

Dimensions • mm

Drawing marks W±1, H±1, L±1.5, L1±1, leads Φ0.8±0.05.

Model	L	H	W	W1	L1
RX911-5W	25.5	9.5	13	5.5±1	10
RX911-7W	38.5	9.5	13	5.5±1	10
RX911-10W	51	9.5	13	5.5±1	10
RX911N-5W	25.5	9.5	13	5.5±1	10
RX911B-10W	35	13	16	7.5±1	10
RX911-20W	51	11	20	10±1.5	5

Electrical Specifications

Model	Resistance Ω	Tolerance %	TCR ×10□□/K	Ambient °C	Rise °C
RX911-5W	0.18–1k	±5, ±10	≤±250	-55 to 155	≤250
RX911-7W	0.22–1.5k	±5, ±10	≤±250	-55 to 155	≤250
RX911-10W	0.33–2.4k	±5, ±10	≤±250	-55 to 155	≤250
RX911N-5W	0.18–1k	±5, ±10	≤±250	-55 to 155	≤250
RX911B-10W	0.18–680	±5, ±10	≤±250	-55 to 155	≤250
RX911-20W	2–2k	±5, ±10	≤±250	-55 to 155	≤250

Main Inspection Items

Item	Test method	Requirement
Withstand voltage	700VAC, 60±5s	No breakdown/arcing
Solderability	RoHS: 260±5°C, 2±0.5s; non-RoHS: 235±5°C, 2±0.5s	Tin coverage ≥95%
Overload	15–35°C, V=√(10PR), 5±0.5s	No visible damage; ΔR≤±(1%R+0.05Ω)
Temperature rise	15–35°C, UR	ΔT≤250°C; 20W≤300°C
Lead strength	10N, 10±0.5s	No damage, legible marking; ΔR≤±(1%R+0.05Ω)
Soldering heat	350±10°C, 3.5±0.5s	No damage, legible marking; ΔR≤±(1%R+0.05Ω)
Rapid temperature change	-55/155°C, 5 cycles	No damage, legible marking; ΔR≤±(1%R+0.05Ω)
Room-temp endurance	15–35°C, UR, 1.5h on/0.5h off, 1000h	No damage, legible marking; ΔR≤±(5%R+0.1Ω), Ri≥1GΩ

Ordering Information

RX911-5W-75Ω-J-L3.5

Model / power / resistance / tolerance J±5% / lead length L3.5; standard length may be omitted.