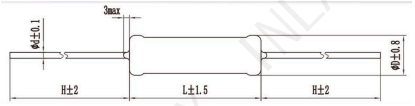
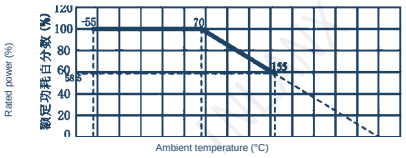
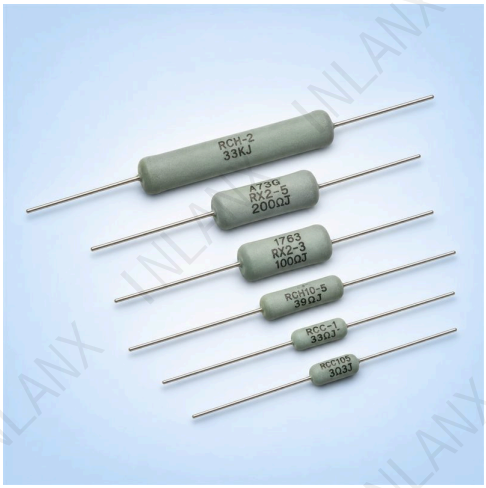
RX710 / RX710T Power Wirewound Resistors

Outline Drawing



Derating Curve





RX710 and RX710T appear together on the source page. Grades J, QB and YG; detail specification Q/RU 160-2014 (YG also lists QZJ 84061); general specification GB/T 5729-2003.

Dimensions • mm

Source drawing marks L±1.5, H±2, Φd±0.1, ΦD±0.8 and 3max.

Model	L	ΦD	H	Φd
RX710-1W	10	4.2	25	0.8
RX710-2W	12.5	4.2	25	0.8
RX710-3W	15.3	5.7	25	0.8
RX710-5W	22.8	8.7	30	1.0
RX710T-5W	20	5.2	39	0.8

Electrical Specifications

RX710: 0.1Ω≤R<1Ω tolerance ±0.01Ω; for 5Ω≤R≤12.4kΩ source power bands list ±0.25%, ±0.5%, ±1% or ±5%; TCR R≥10Ω ≤±100×10□□/K, R<10Ω not assessed. RX710T: 0.1Ω≤R<1Ω tolerance ±0.01Ω; 1Ω≤R≤75Ω tolerance ±5%.

Model	Resistance Ω	Series	Temp. °C
RX710-1W	0.1–1.4k	E96	-55 to 155
RX710-2W	0.1–1.69k	E96	-55 to 155
RX710-3W	0.1–4.02k	E96	-55 to 155
RX710-5W	0.1–12.4k	E96	-55 to 155
RX710T-5W	0.1–75	E24	-55 to 155

Main Inspection Items

Item	Method	Requirement
Rapid temperature change	-55 to 155°C, 3 cycles	R≥100Ω ΔR≤±0.5%R; R<100Ω ΔR≤±(0.5%R+0.05Ω); no visible damage
Steady damp heat	40±2°C, RH 93±3%, 48h	As above
Short-time load	15–35°C, PR, 24h	As above
Solderability	RoHS 260±5°C or non-RoHS 235±5°C, 5±0.5s; immersion depth as RX21	Tin coverage ≥90%
Soldering heat	350±10°C, 3.5±0.5s	R≥100Ω ΔR≤±0.2%R; R<100Ω ΔR≤±(0.2%R+0.05Ω); no visible damage
Lead strength	Φ0.8mm 9.8N; Φ1mm 20N, 10s	As above
Vibration	10–500Hz, 98m/s², 46min	As above
Bump	98m/s², 1000 times	As above
Centrifuge	98m/s², 2min	As above
Shock	147m/s², 11ms, 18 times	As above

Ordering Information

RX710-1W-30Ω-J

Model / rated power / nominal resistance / tolerance. RX710T remains grouped with RX710 as in the source.