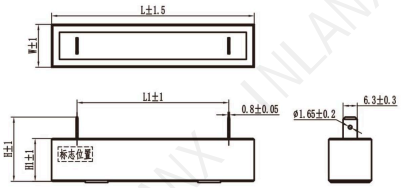
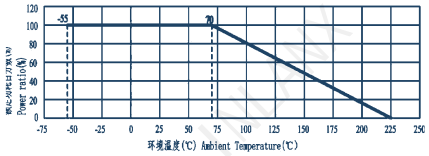
ARX911-50W / 60W Pre-charge Resistor

Outline Drawing



Derating Curve





AEC-Q200 grade; detail specification Q/RU 655-2026; general specification AEC-Q200-2023.

Dimensions • mm

Drawing marks L±1.5, L1±1, W±1, H±1, H1±1, lead Φ0.8±0.05, hole Φ1.65±0.2, 6.3±0.3.

Power W	L	L1	W	H	H1
50	90	68	19	29	19
60	90	68	19	29	19

Electrical Specifications

TCR≤±500×10□□/K.

Power W	Resistance Ω	Tolerance %	Ambient °C
50	20–220	±5	-55 to 225
60	20–220	±5	-55 to 225

Main Inspection Items

Item	Test method	Requirement
Withstand voltage	3000VAC, 60±5s	No breakdown/arcing
Insulation resistance	1000VDC, 60±5s	≥500MΩ
High-temp exposure	250°C storage, 1000h	No damage; ΔR≤±(5%R+0.1Ω)
Temperature shock	-55 to 155°C, 1000 cycles	No damage; ΔR≤±(3%R+0.1Ω)
Steady damp heat	85°C, RH85%, 1000h, V=10%√PR	No damage; ΔR≤±(5%R+0.1Ω)
High-temp life	70°C, V=√PR, 1.5h on/0.5h off, 1000h	No damage; ΔR≤±(5%R+0.1Ω)
High-frequency vibration	10–2000Hz, 5g, 20min/axis, 12 cycles on each of 3 axes	No damage; ΔR≤±(1%R+0.1Ω)
Shock	Half-sine, 100g peak, 6ms, 5 times on each of 3 axes	No damage; ΔR≤±(1%R+0.1Ω)
Soldering heat	260±5°C, 10±1s, ≤1.27mm from body	No damage; ΔR≤±(1%R+0.1Ω)
ESD	Human body model, one of each polarity, 4000V	No damage; ΔR≤±(3%R+0.1Ω)
Flammability	Vertical burn	V-0, afterflame ≤10s
Flame resistance	9–32V in 1V increments, ≥1h each	No flame >3s, no explosion, no >350°C sustained >10s
Overload	V=√(10PR), 5s	No damage; ΔR≤±(3%R+0.1Ω)

Ordering Information

ARX911-60W-60Ω-J

Model / rated power / nominal resistance / J±5%.