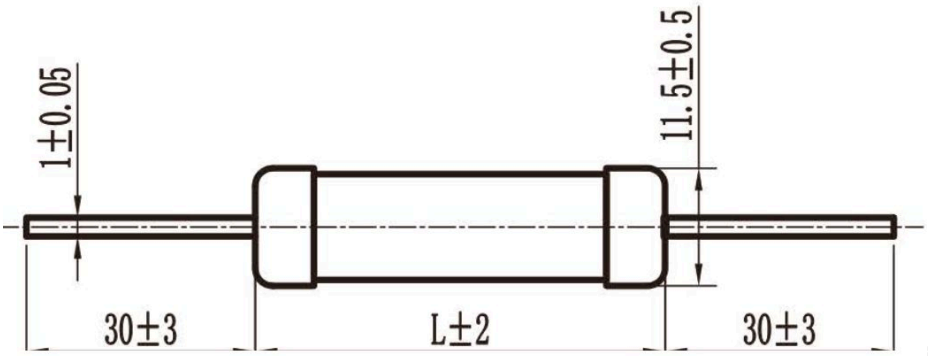
RI30 High Frequency Resistors

Outline Drawing





J quality grade. Detail specification Q/RU 283-2003; generic specification GB/T 5729-2003. QB grade available.

Outline Dimensions • mm

Power W	L
5	20
15	36
50	98

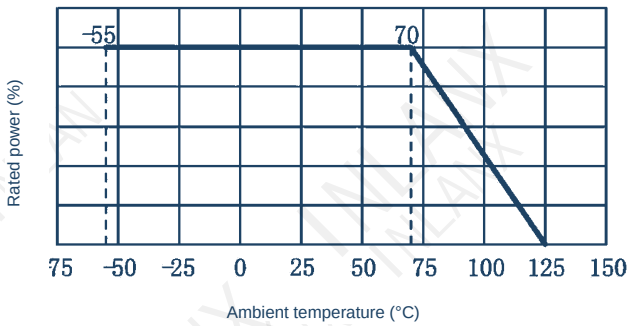
Electrical Specifications

Power W	Resistance	Tolerance	Frequency	VSWR	TCR ×10^-6/K
5	50 Ω	±5%	0~3 GHz	≤1.25	±300
15	50 Ω	±5%	0~3 GHz	≤1.25	±300
50	50 Ω	±5%	0~3 GHz	≤1.25	±300

Main Inspection Items

Item	Requirement	Test method
Lead strength	ΔR≤±3%R	Pull 20 N
Pulse load	ΔR≤±5%R	500Pr, 400 Hz, 30 min
Shock	ΔR≤±5%R	100 m/s², 100 shocks
Rapid temperature change	ΔR≤±5%R	-55 to 125°C, 3 cycles
Vibration	ΔR≤±5%R	55–500 Hz, min(0.35 mm, 50 m/s²), 0.5 h
Damp heat, steady	ΔR≤±5%R	RH90–95%, (40±2)°C, 96 h

Derating Curve



Ordering Information

RI30-5W-50Ω-J

Model / Power 5, 15 or 50 W / Nominal resistance 50 Ω / J±5%.