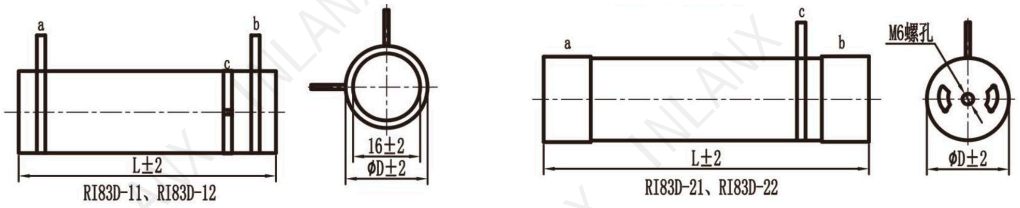
RI83D Glass Glaze Voltage Divider Resistor

Outline Drawing





Quality grade J; QB available. Detail specification Q/RU 465-2012; general specification GB/T 5729-2003. Four variants and both terminal constructions are retained as drawn.

Dimensions and Electrical Specifications

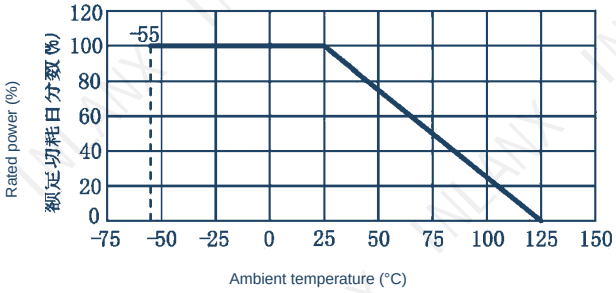
Resistance tolerance ±2%; TCR ±200 ×10□□/K. Nominal resistance and divider ratio can be supplied by agreement.

Model	Power W	L mm	ΦD mm	Resistance Ω	Limit V	Divider ratio
RI83D-11	80	120	27	50 M	10 k	1000:1
RI83D-12	100	306	27	80 M	30 k	3000:1
RI83D-21	50	147	20	70 M	10 k	2500:1
RI83D-22	50	152	27	70 M	10 k	2500:1

Main Inspection Items

Item	Requirement	Test method
Overload	ΔR≤±(2%R+0.05Ω)	min(2.5UR,2Umax,30 kV), 10 s
Rapid temperature change	ΔR≤±(1%R+0.05Ω)	-55 to 125°C, 5 cycles
Damp heat, steady	ΔR≤±(2%R+0.05Ω)	(40±2)°C, RH 90–95%, 240 h
Electrical endurance	ΔR≤±(5%R+0.1Ω)	Room temp, min(UR,Umax), 1000 h
Upper-category endurance	ΔR≤±(2%R+0.05Ω)	U=0, 125°C, 240 h

Derating Curve



Ordering Information

RI83D-11-80W-50MΩ-G

RI83D-11, -12, -21 or -22 / power per table / nominal resistance / G±2%.