RIM-G Metal Oxide Film Power Resistors

Metal oxide film · Ceramic tube · Silver-plated ends · Radial clip



Overview

• Metal oxide film power resistor, ceramic tube, dense stable film

• Silver-plated ends, radial-clip mounting, good thermal contact

• Power range 25W~500W for high-power dissipation

• Pulse & surge withstand, handles capacitor discharge

• Used as dummy load, snubber, converter & supply bleeder

Features

• Metal oxide film, temp & humidity resistant, long-term stable

• 25~500W, Φ12 / Φ20 / Φ30 three body sizes

• Silver-plated ends, radial-clip mounting, good cooling

• Pulse & surge withstand for snubber & discharge

• Dummy load, RC snubber, inverter braking, supply bleeder

• RoHS compliant; R / tolerance / size customizable

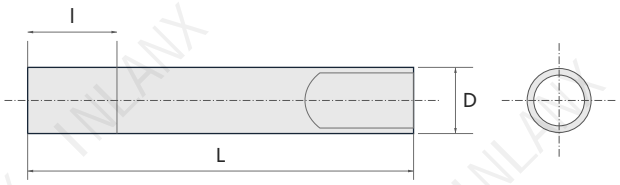
Technical Specifications

Construction	Ceramic tube, metal oxide film, silver-plated ends
Resistance Range	2.2 Ω ~ 10 kΩ (by model)
Tolerance	±5% (J) / ±10% (K)
TCR	±200 ppm/°C standard; ±100 ppm/°C on request
Rated Power	25 W ~ 500 W, @25°C natural air cooling
Max Working Voltage	Φ12≈5KV / Φ20≈12KV / Φ30≈15KV
Dielectric Withstand	≥ 1000 VAC for 1 min
Parasitic Inductance	Axial lead, low inductance for pulse & HF
Load & Pulse	High load & surge-withstand
Ambient Temp	-55°C ~ +155°C
Stability	Humidity & temp resistant, long-term stable
Termination	Silver-plated ends, radial-clip mounting

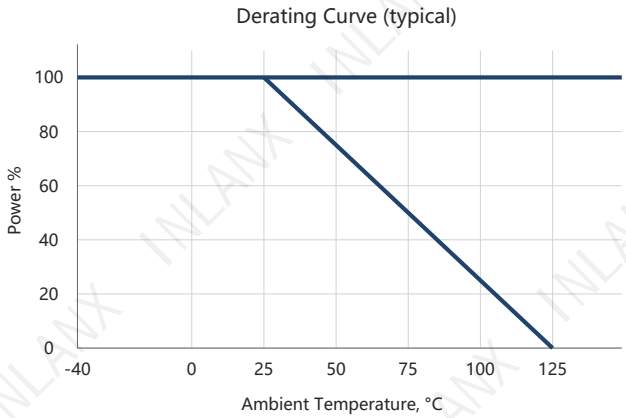
Technical Standard

GB/T5729-2003

Construction • Dimensions in mm



l = end electrode length; D = body OD; L = overall length (GB/T5729-2003)



Dimensions in mm

Model	Power	Dimensions (MM)			Resistance	Mounting
		D	l	L		
RIM-G-3	25W	Φ12 +2/-1	8±2	50±2	4.7Ω-3.3kΩ	Radial clip
RIM-G-4	50W	Φ12 +2/-1	8±2	100±2	1Ω-100KΩ	
RIM-G-5	100W	Φ20 +3/-1	15±2	100±2	2.2Ω-500kΩ	
RIM-G-6	200W	Φ20 +3/-1	15±2	200±3	3.3Ω-500kΩ	
RIM-G-92	250W	Φ30 +3/-1	20±2	200±3	5Ω-500kΩ	
RIM-G-7	300W	Φ20 +3/-1	20±2	300±3	4.7Ω-500kΩ	
RIM-G-93	350W	Φ30 +3/-1	20±2	300±3	5Ω-500kΩ	
RIM-G-8	400W	Φ30 +3/-1	20±2	400±3	5Ω-500kΩ	
RIM-G-9	500W	Φ30 +3/-1	20±2	400±3	5Ω-500K	

How to Order

Ordering example: RIM-G7-103K

RIM-G7 series (RIM-G-3 ~ RIM-G-9 by power class)

103 resistance code (103 = 10 kΩ)

tolerance K=±10%; J=±5% (custom)

Rated power at 25°C natural cooling; max voltage by body size; special specs on request.

Standard-product specs; validate in full application.