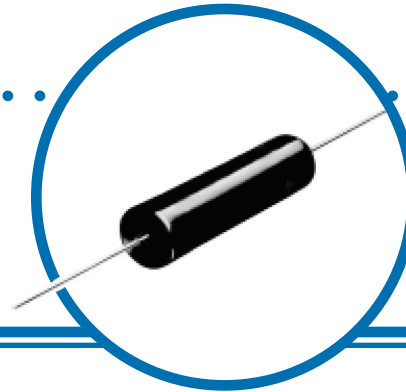


High Value Thick Film Resistor

GC Series

- Value up to 1G ohm
- High stability thick film
- Tolerance down to 1%, 2%, 5%



Electrical Data

IRC Type	Power Rating at 70°C (watts)	Resistance Range (ohms)	Limiting Element Voltage (volts)	Isolation Voltage (volts)	TCR (20 to 70°C) (ppm/°C)	Resistance Tolerance (Code)	Standard Values	Thermal Impedance (°C/watt)	Operating Temperature Range (°C)
GC65	0.5	47K to 1G	3500	700	100	1(F), 2(G), 5(J)	EIA 2% values preferred	90	-55 to 155

Environmental Data

	Typical
Load at Rated Voltage: 1000 hours @ 70°C ΔR%	0.1
Derating from Rated Power at 70°C	zero at 155°C
Climatic ΔR%	1
Climatic Category	55/155/56

CONSTRUCTION:

Thick film material is fired onto high grade ceramic rods. Nickel plated steel caps are force fitted to the rods and the terminations are welded to the caps. The value is obtained by a helical cut in the film and, finally the resistor body is given a high temperature protective coating.

TERMINATIONS:

Solder-coated copper wire.

MARKING:

Type reference, TCR code, resistance value, and tolerance code are legend marked.

SOLVENT RESISTANCE:

The body protection and marking are resistant to all normal industrial cleaning solvents suitable for printed circuits.

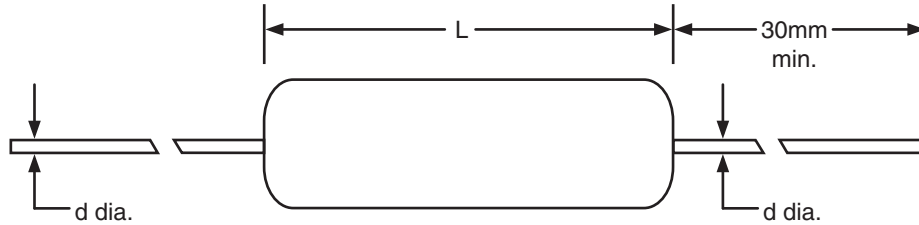
General Note

IRC reserves the right to make changes in product specification without notice or liability. All information is subject to IRC's own data and is considered accurate at time of going to print.

High Value Thick Film Resistor



Physical Data



Dimensions (Inches and (mm)) & WEIGHT (G)

IRC Type	L max	D max	d nom	Wt nom
GC65	0.394 (10.0)	0.146 (3.7)	0.024 (0.6)	0.4

Packaging Data

Loose packed in boxes or taped (on reel or in ammo box).

Standard Quantities Per Box/Spool:

Packaging	GC65	Packaging	GC65
Box	100	Taped (reeled)	5000
Large box	1000	Taped (ammo box)	2000

Ordering Data

Specify type reference etc. as indicated in this example of GC65 2.5Ω, 1%, taped and ammo boxed.

