RADIAL LEAD MEGOHM RESISTORS

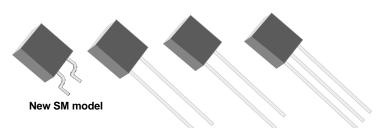




- ☐ Wide resistance range up to 1000 MegOhm
- ☐ TC's as low as ±25ppm available
- ☐ Standard tolerance is ±1%; 0.1% available
- ☐ Significant space savings over axial lead resistors
- ☐ Available on Tape & Reel
- □ Economically priced
- ☐ Precision quality, excellent stability, low inductance

OPTIONS

- ☐ Option P: increased pulse capability
- ☐ Option H: increased voltage rating
- ☐ Option G: gullwing SM lead forming (avail. on 24mm T&R)
- ☐ Option EQ: 24 hour burn in (or ER -100 hour burn in)
- ☐ Numerous additional options available including custom marking, matched sets, military screening, etc.



RESISTORS+CAPACITORS+COILS+DELAY LINES

Space-saving megohm resistors!

RCD Series BC resistors are designed for precision high-megohm requirements where space is at a premium. Operating temperature range is -55°C to +175°C. Type BC632 features the smallest body size. Type BC630 features an increased voltage rating, wider resistance range, and the lowest cost. BC633 features two resistors within single package. Units are epoxy encapsulated for superior environmental protection.

SPECIFICATIONS

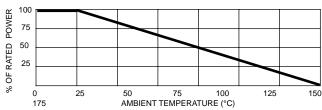
RCD Type	Wattage	Max. Voltage*	Dielectric Strength**	Resistance Range***	A ±.015 [.38]	B ±.015 [.38]	C ±.01 [.25]	D ±.002 [.05]	E ±.015 [.38]
BC630	.75W	500V	400V	300K to 1000M	.310 [7.87]	.330 [8.38]	.118 [3.0]	.024 [.6]	.150 [3.81]
BC632	.75W	400V	400V	300K to 100M	.290 [7.37]	.290 [7.37]	.095 [2.41]	.024 [.6]	.200 [5.08]
BC633	.25W per resis.	400V per resis.	400V	300K to 100M	.290 [7.37]	.290 [7.37]	.095 [2.41]	.024 [.6]	.100 [5.08]

^{*} Maximum working voltage is determined by E $\stackrel{\checkmark}{\bot}$ PR, E should not exceed value listed. ** Increased dielectric strength available *** Lower and higher values available on custom basis, consult factory.

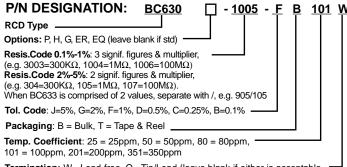
TYPICAL PERFORMANCE CHARACTERISTICS

Overload (1.5x rated v	±0.5% ΔR			
Load Life (1000 hours	±0.5% ΔR			
Dielectric Strength	400V AC			
Resistance to Solder I	±0.1% ΔR			
Moisture Resistance	±0.5% ΔR			
Insulation Resistance	10,000 Megohms Min.			
Operating Temperature	-55°C to 175°C			
Shelf Life at 25°C	±0.2% ΔR (1 Yr.)			
Temperature	300K -100MΩ	100ppm/°C std (25, 50, 80ppm avail)		
Coefficient	>100MΩ	350ppm/°C std (100,200ppm avail)		
Voltage Coefficient	300K - 1MΩ	-20ppm/ V Typ.		
(tightened VC levels	1ΜΩ - 100ΜΩ	-30ppm/ V Typ.		
available)	100M - 500MΩ	-50ppm/ V Typ.		
	500M - 1GΩ	-80ppm/ V Typ.		

DERATING



BC630 & BC632 (single resistor) BC633 (dual resistor) С В В .75 .75 [19] -D [19] Min. Min **OPT. G GULLWING DESIGN** BC630G BC632G BC633G .15 .15



Termination: W= Lead-free, Q= Tin/Lead (leave blank if either is acceptable, in which case RCD will select based on lowest price and quickest delivery)