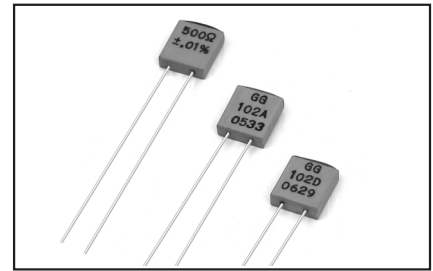


±3ppm/°C, 0.01% Precision Wire Wound Resistors

GG102 are miniature precision wirewound resistors in a compact, rectangular, space-saving shape. Specifically designed for PC board mounting they have radial leads and are enclosed in a molded epoxy case giving the exact uniformity of size required for high density PC board assembly. Each resistor undergoes multiple complete tests during manufacture including an accelerated aging and thermal shock procedure.



GENERAL SPECIFICATIONS

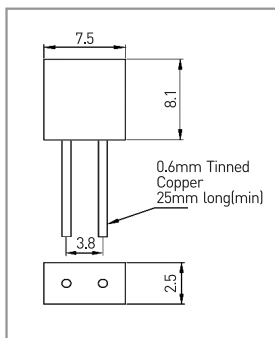
| Model | Power Rating [W] | Maximum Applied Voltage[V] | Resistance Range[Ω] | Tolerance at 25°C[%] |
|--------|--------------------------------------|----------------------------|---------------------|----------------------|
| GG102A | 0.3W (+85°C) | 150V DC or AC peak | 10Ω-250kΩ | ±0.01% |
| GG102D | See diagram of Power Derating Curves | | | ±0.1% |

*Please note: RoHS compliant parts are now green and the second letter in the part number is 'G'

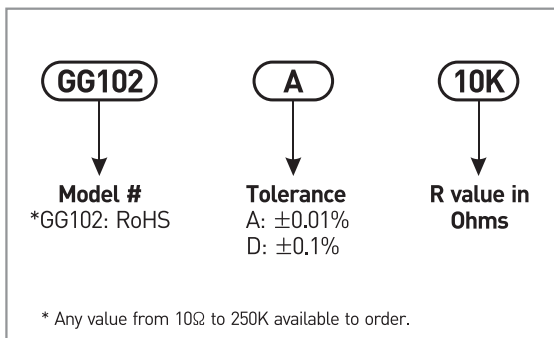
CHARACTERISTICS

| | |
|-------------------------|---|
| Temperature Coefficient | ±3ppm/°C typical over 0°C to +85°C, ±5ppm/°C maximum over -55°C to +125°C |
| Thermal EMF | < 0.4 μV/°C typical |
| Noise | Essentially non-measurable |
| Encapsulation | Moulded epoxy |
| Leads | 22 AWG tinned copper |
| No Load Stability | ±25ppm/10,000 hours, ±35ppm/26,000 hours over full temperature (-55°C ~ +125°C) |
| Full Load Stability | ±35ppm/10,000 hours, ±50ppm/26,000 hours |

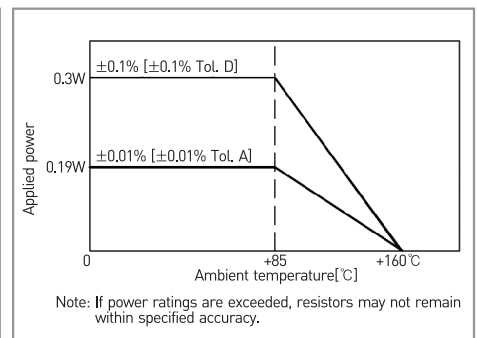
DIMENSIONS [mm]



ORDERING PROCEDURE EXAMPLE



DERATING CURVES



STANDARD RESISTANCE VALUES

| [Ω], Stocked in 0.1% in listed value shown below | | | | |
|--|-----|-------|------|-------|
| 10 | 120 | 900 | 8 K | 80 K |
| 20 | 200 | 1 K | 9 K | 90 K |
| 30 | 250 | 1.5 K | 10 K | 100 K |
| 40 | 300 | 2 K | 20 K | 250 K |
| 50 | 350 | 2.5 K | 25 K | |
| 60 | 400 | 3 K | 30 K | |
| 70 | 500 | 4 K | 40 K | |
| 80 | 600 | 5 K | 50 K | |
| 90 | 700 | 6 K | 60 K | |
| 100 | 800 | 7 K | 70 K | |

* Any non-listed value from 10Ω to 250KΩ available to order