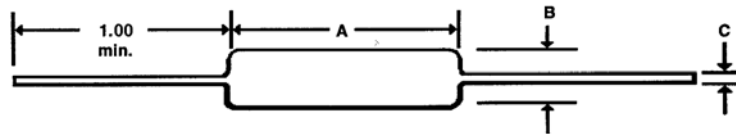


- Features:
- Low cost power resistor
 - All welded construction
 - Non-flammable silicone coating
 - RoHS compliant / lead-free
 - Note: NOT available in non-inductive or fusible



| Electrical Specifications | | | | |
|---------------------------|--------------------------------|------------------------------------|--|------------------------------|
| Type / Code | Power Rating (Watts) @ 70°C | Maximum Working Voltage (V) (1) | Dielectric Withstanding Voltage (V) | Ohmic Range(Ω) and Tolerance |
| | | | | 2%, 5%, 10% |
| GP1 | 1.0 W | 100V | 500 VAC | 1 - 1K |
| GP2 | 2.5 W | 100V | 500 VAC | 1 - 2K |
| GP3 | 3.0 W | 200V | 1,000 VAC | 1 - 3K |
| GP5 | 5.0 W | 400V | 1,000 VAC | 1 - 10K |
| GP7 | 7.0 W | 600V | 1,000 VAC | 1 - 10K |
| GP10 | 10.0 W | 800V | 1,000 VAC | 1 - 20K |

(1) Voltage rating is the lesser of Maximum Working Voltage or \sqrt{PR}
Standard TCR as follows: 50ppm/° below 10Ω, 30ppm/°C above 10Ω

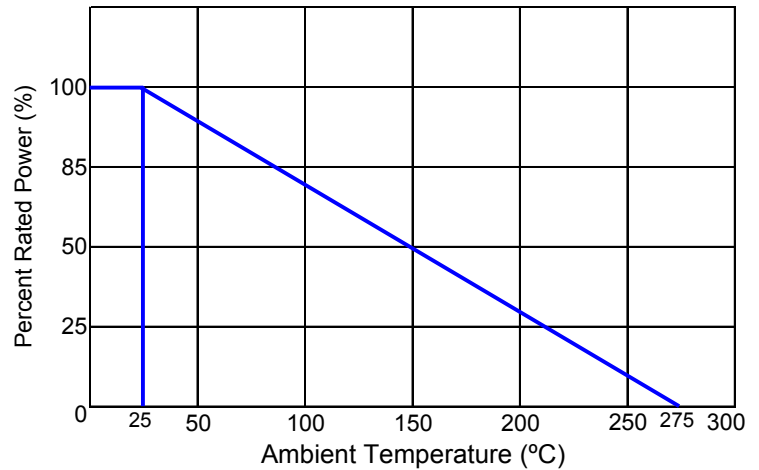


| Mechanical Specifications | | | | |
|---------------------------|------------------|--------------------|-------------------------|--------|
| Type / Code | A Body Length | B Body Diameter | C Lead Length (Bulk) | Unit |
| GP 1 | 0.370 ± 0.063 | 0.157 ± 0.031 | 0.032 ± 0.002 | inches |
| | 9.40 ± 1.60 | 4.00 ± 0.80 | 0.81 ± 0.05 | mm |
| GP 2 | 0.551 ± 0.063 | 0.157 ± 0.031 | 0.032 ± 0.002 | inches |
| | 14.00 ± 1.60 | 4.00 ± 0.80 | 0.81 ± 0.05 | mm |
| GP 3 | 0.559 ± 0.063 | 0.189 ± 0.031 | 0.032 ± 0.002 | inches |
| | 14.20 ± 1.60 | 4.80 ± 0.80 | 0.81 ± 0.05 | mm |
| GP 5 | 0.874 ± 0.063 | 0.311 ± 0.031 | 0.036 ± 0.002 | inches |
| | 22.20 ± 1.60 | 7.90 ± 0.80 | 0.91 ± 0.05 | mm |
| GP 7 | 1.126 ± 0.063 | 0.311 ± 0.031 | 0.036 ± 0.002 | inches |
| | 28.60 ± 1.60 | 7.90 ± 0.80 | 0.91 ± 0.05 | mm |
| GP 10 | 1.780 ± 0.063 | 0.374 ± 0.031 | 0.039 ± 0.002 | inches |
| | 45.20 ± 1.60 | 9.50 ± 0.80 | 1.00 ± 0.05 | mm |

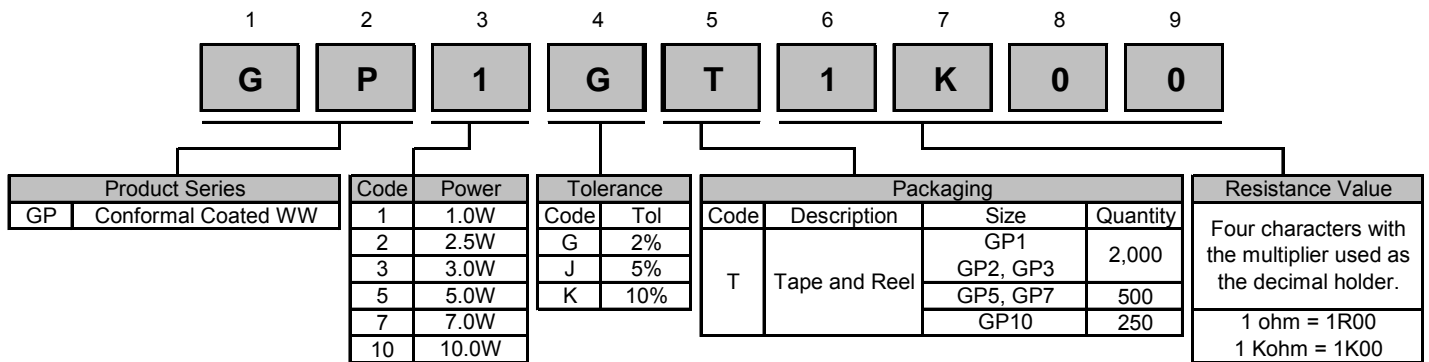
| Performance Characteristics | |
|---------------------------------|--------------|
| Test | Test Results |
| Moisture Resistance | ±5% |
| Thermal Shock | ±2% |
| Load Life @ 70°C - 1,000 hrs. | ±5% |
| Resistance to Soldering Heat | ±2% |
| Short Time Overload | ±2% |
| Dielectric Withstanding Voltage | ±2% |

Operating Temperature Range: -55°C to +275°C

Power Derating Curve:



How to Order



Legacy Part Number (before January 3, 2011):

