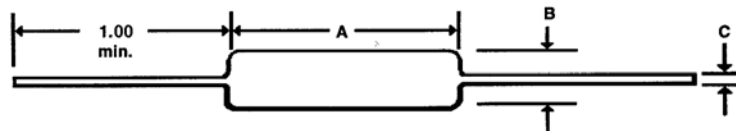


- Features:
- Low cost power resistor
  - All welded construction
  - Non-flammable silicone coating
  - RoHS compliant / lead-free
  - Note: NOT available in non-inductive or fusible



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

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

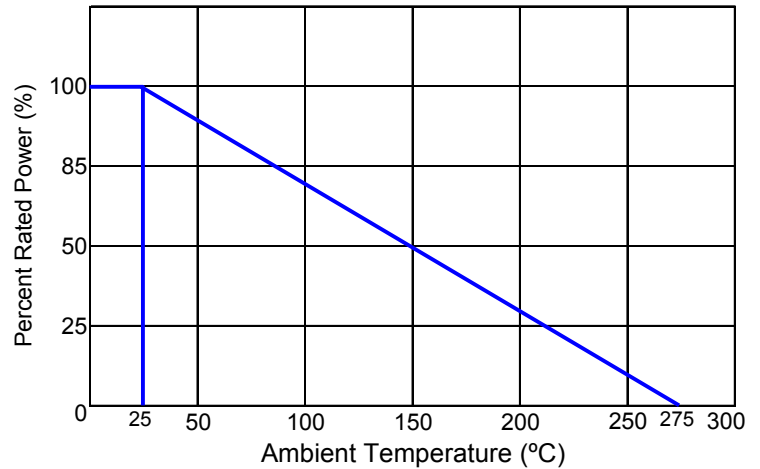


Mechanical Specifications				
Type / Code	A Body Length	B Body Diameter	C Lead Length (Bulk)	Unit
GP 1	0.370 ± 0.062	0.156 ± 0.31	0.032 ± 0.002	inches
	9.4 ± 1.6	4.0 ± 0.8	0.81 ± 0.05	mm
GP 2	0.550 ± 0.062	0.156 ± 0.031	0.032 ± 0.002	inches
	14.0 ± 1.6	4.0 ± 0.8	0.81 ± 0.05	mm
GP 3	0.560 ± 0.062	0.187 ± 0.031	0.032 ± 0.002	inches
	14.2 ± 1.6	4.8 ± 0.8	0.81 ± 0.05	mm
GP 5	0.875 ± 0.062	0.312 ± 0.031	0.036 ± 0.002	inches
	22.2 ± 1.6	7.9 ± 0.8	0.91 ± 0.05	mm
GP 7	1.125 ± 0.062	0.312 ± 0.031	0.036 ± 0.002	inches
	28.6 ± 1.6	7.9 ± 0.8	0.91 ± 0.05	mm
GP 10	1.780 ± 0.062	0.375 ± 0.031	0.040 ± 0.002	inches
	45.2 ± 1.6	9.5 ± 0.8	1.0 ± 0.05	mm

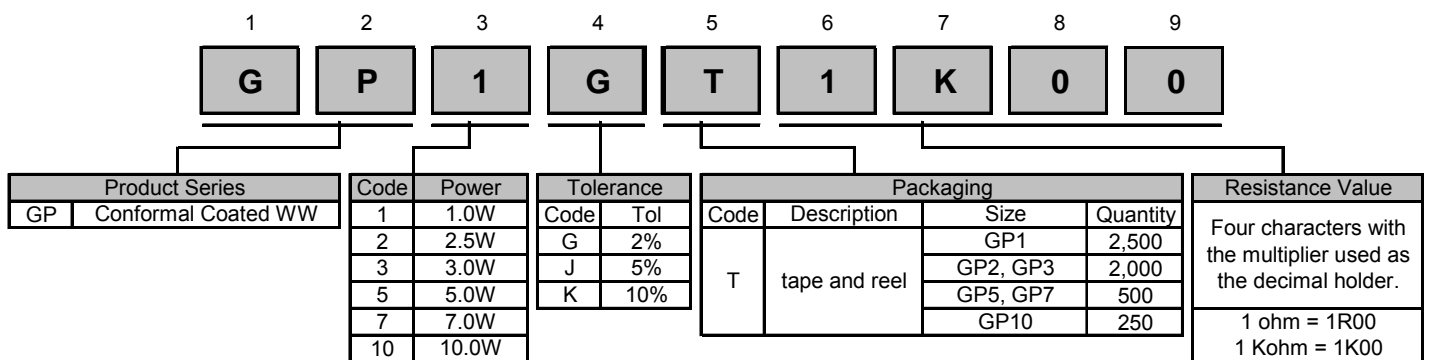
Performance Characteristics	
Test	Test Results
Moisture Resistance	±5%
Thermal Shock	±2%
Load Life @ 70°C - 1,000 hrs.	±5%
Resistance to Soldering Heat	±2%
Short Time Overload	±2%
Dielectric Withstanding Voltage	±2%

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

Power Derating Curve:



**How to Order**



Legacy Part Number (before January 3, 2011):

