

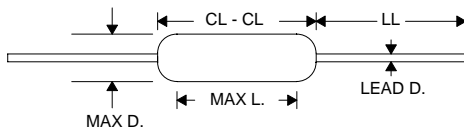


GP-SERIES

GENERAL PURPOSE PRECISION METAL FILM RESISTORS

PRECISION RESISTIVE PRODUCTS, INC.
202 MACK LANE, MEDIAPOLIS, IA 52637
(319)394-9131 FAX (319)394-9280
E-Mail info@prpinc.com
PRP HOME PAGE <http://www.prpinc.com>

- Economical
- High Performance
- Very Stable
- Low Noise



Dimensions inches

Style	Max. L.	Max. Dia.	CL to CL	Lead Dia.	Lead Length
GP1/8B	.170	.072	.200	.020 AWG #24	1.25 ±.065
GP1/4	.280	.102	.325	.025 AWG #22	1.50 ±.125
GP1/2	.400	.150	.450	.025 AWG #22	1.50 ±.125
GP3/4	.600	.200	.685	.025 AWG #22	1.50 ±.125
GP1	.600	.200	.685	.032 AWG #20	1.50 ±.125

Specifications

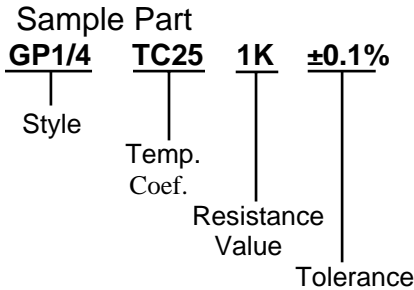
Style	Resistance Range (Ω)	Resistance Tolerances @25°C	Wattage Rating		Voltage Rating
			@70°C	@125°C	
GP1/8B	10R-500K	1.0%, 0.5%, 0.25%, 0.1%	1/8	1/10	200V
GP1/4	2.5R-20M		1/4	1/8	300V
GP1/2	4.99R-1M		1/2	1/4	500V
GP3/4	10R-1.5M		3/4	1/2	500V
GP1	10R-1.5M		1	1/2	750V

Operating Temperature Range -55°C to 155°C

* (100ohms-100K) Ref: EIA RS-186 (where applicable)

Typical Performance *	%ΔR	Typical Performance *	%ΔR
1000 Hr. Load Life at 70°C	±0.15	Low Temperature Operation	±0.03
Humidity	±0.20	Dielectric Withstanding Volts	±0.02
Thermal Shock	±0.05	Noise Index	<-30dB
Short Time Overload	±0.05	Resistance to Soldering Heat	±0.04

How to Order



Add "T" at the end of the Style portion of the part number for lead free termination.

[Standard Decade Values](#)

[Color Codes](#)

[Packaging](#)

Temperature Coefficients

TC100 = 0±100 PPM/°C -20 TO +85°C
 TC50 = 0±50 PPM/°C -20 TO +85°C
 TC25 = 0±25 PPM/°C -20 TO +85°C

Lead Material

OFHC with 60/40 Tin/Lead Coating or OFHC Tin Coating

Note: The GP- Series of resistors is conformally coated and fully protected against moisture by a multi-paint coat system and a hard epoxy outer coating. Standard marking is alpha-numeric or color code (GP1/4 only) and meets the most demanding marking requirements. Custom marking is available upon request. Consult factory for failsafe, flameproof, and fusing requirements. Packaging is lead tape and reel or ammo-pack per EIA Standard RS-296. Bulk packaging is also available.



DEDICATION TO EXCELLENCE