

5G10 PRECISION WIRE WOUND RESISTORS



These are only 7.94mm long with a diameter of 3.97mm, yet they incorporate advanced design and manufacturing features which provide unsurpassed accuracy, stability, load life and reliability. Each resistor undergoes three separate complete tests during manufacture including an accelerated ageing thermal shock procedure.

GENERAL SPECIFICATIONS

Model	Power rating [W]	Max. Voltage [V]	Resistance Range [Ω]		Tolerance [25C]
			standard	non-standard	
5G10A	0.2 (+85C)	175V DC or AC peak	10 Ω to 100K Ω	10 Ω to 200K Ω	+/-0.01%
5G10D	0.14(+110C)				+/-0.1%

CHARACTERISTICS

Values in [] mean change in ohmic value after test

Temp. Coefficient	+/-3ppm/C typical over 0C to +85C , +/-5ppm/C max. over -55C to +125C
No Load Stability	+/-25ppm/10,000 hrs, +/-35ppm/26,000 hrs. (over full temperature range:-55C to+125C)
Full Load Stability	+/-35ppm/10,000 hrs, +/-50ppm/26,000 hrs.
Thermal EMF	<0.4uV/C typical.
Noise	Essentially non-measurable
Encapsulation	Molded epoxy
Leads	24 AWG tinned copper

STANDARD VALUES

Note:

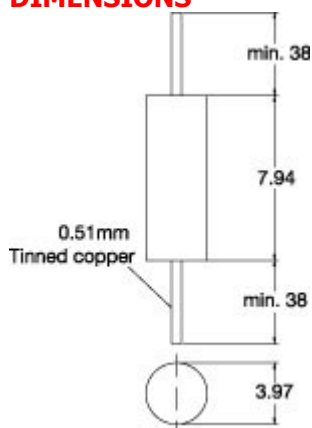
-Stocked in 0.1% Tolerance

-* Means 0.1% Tolerance Only

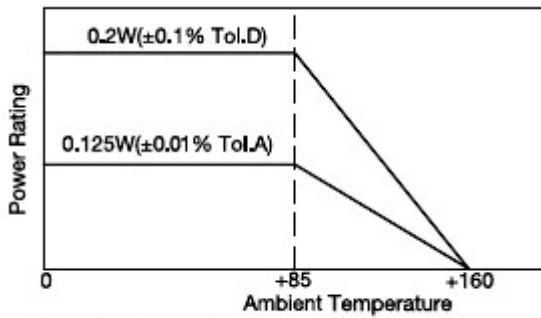
-Any non-listed value from 10 Ω to 200K Ω available to order

10 Ω , 20 Ω , 30 Ω , 40 Ω , 50 Ω , 60 Ω , 62.5 Ω *, 70 Ω , 80 Ω , 90 Ω , 100 Ω , 120 Ω , 125 Ω *, 150 Ω *, 180 Ω *, 200 Ω , 220 Ω *, 250 Ω , 270 Ω *, 300 Ω , 330 Ω *, 350 Ω , 390 Ω *, 400 Ω , 470 Ω *, 500 Ω , 560 Ω *, 300 Ω , 680 Ω *, 700 Ω , 800 Ω , 820 Ω *, 900 Ω , 1.0K, 1.2K*, 1.5, 1.8K*, 2.0K, 2.2K*, 2.5K, 2.7K*, 3.0K, 12K*, 15K*, 18K*, 20K, 22K*, 25K, 27K*, 30K, 33K*, 39K, 40K, 47K*, 50K, 56K*, 60K, 68K*, 70K, 80K, 82K*, 90K, 99K*, 100K

DIMENSIONS



DERATING CURVES



Note : If power ratings are exceeded, resistors may not remain within specified accuracy.

ORDERING PROCEDURE EXAMPLE



* Matched pairs and ratio matched resistors are available against specific enquiries.