

## Features

- 1-1/4 " Rectangular / Multiturn  
Wirewound / Industrial / Sealed
- Panel mount option available
- Listed on the QPL per MIL-PRF-27208
- For trimmer applications/processing  
guidelines, [click here](#)

## RT12 - Trimpot® Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range .....	10 to 20K ohms
	(see standard resistance table)
Resistance Tolerance .....	$\pm 5\%$ std.
Absolute Minimum Resistance .....	0.1 % or 1 ohm max. (whichever is greater)
Noise .....	100 ohms ENR max.
Resolution.....	See Resistance Table
Insulation Resistance .....	500 vdc. 1,000 megohms min.
Dielectric Strength	
Sea Level .....	1,500 vac
70,000 Feet.....	400 vac
Adjustment Travel.....	22 turns nom.

### Environmental Characteristics

Power Rating @ 70 °C .....	1 watt
Power Rating @ 150 °C .....	0 watt
Temperature Range....	-55 °C to +150 °C
Temperature Coefficient .....	$\pm 50$ ppm/°C
Seal Test.....	85 °C Fluorinert*
	(pin styles only)
Humidity.....	MIL-STD-202 Method 106 96 hours 2 % ΔTR, 100 Megohms IR)
Vibration .....	30 G (1 % ΔTR; 0.5 % + resolution DVR)
Shock.....	100 G (1 % ΔTR; 0.5 % + resolution ΔVR)
Load Life....	1,000 hours 1 watt @ 70 °C (2 % ΔTR)
Rotational Life.....	200 cycles (2 % ΔTR)

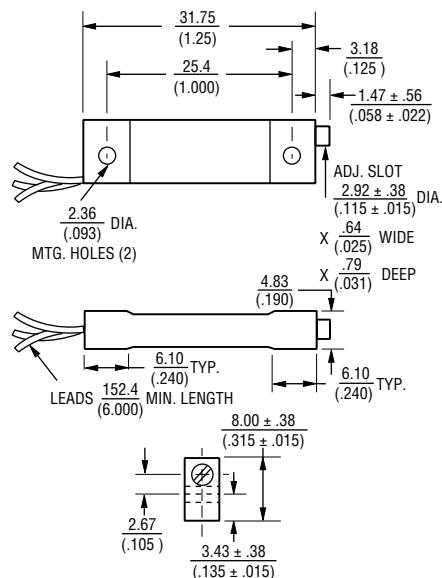
### Physical Characteristics

Torque.....	5.0 oz-in. max.
Mechanical Stops .....	Wiper idles
Terminals .....	Solderable pins and lugs
Flexible leads .....	(7 strands of 30 AWG)
Weight .....	0.10 oz.
Marking.....	Manufacturer's trademark, resistance code, terminal numbers, date code, manufacturer's model number and style
Wiper .....	50 % (Actual TR) $\pm 10\%$
Flammability .....	U.L. 94V-0
Standard Packaging	
P&Y Style .....	10 pcs. per tube
L Style .....	25 pcs. per bag
Adjustment Tool .....	H-90

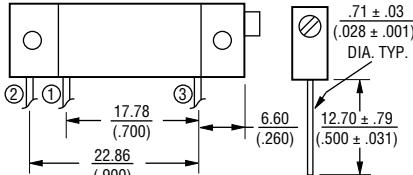
### Product Dimensions

#### RT12C2L

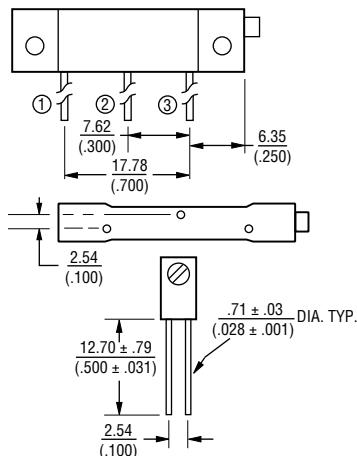
##### Common Dimensions



#### RT12C2P



#### RT12C2Y



### How To Order

MIL-PRF-27208

RT12 C2 P 101

Model \_\_\_\_\_

Characteristic \_\_\_\_\_  
 $C = \pm 50$  ppm/°C Temp. Coeff. Max.

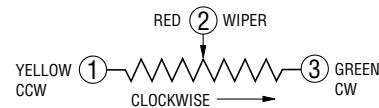
2 = 85 °C Rating Temp.  
150 °C Max. Operating Temp.

Terminal Style \_\_\_\_\_

Resistance Code \_\_\_\_\_

### Standard Resistance Table

Resistance (Ohms)	Resistance Code	Nominal Resolution (Percent)
10	100	2.40
20	200	1.90
50	500	1.40
100	101	1.00
200	201	0.86
500	501	0.89
1,000	102	0.72
2,000	202	0.58
5,000	502	0.43
10,000	103	0.34
20,000	203	0.31



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

TOLERANCES:  $\pm \frac{0.25}{(.010)}$  EXCEPT WHERE NOTED