

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 ± 50 PPM/°C
 Seal Test 85 °C (pin styles only)
 Humidity MIL-STD-202 Method 106
 96 hours
 2 % Δ TR, 100 Megohms IR)
 Vibration 30 G (1 % Δ TR; 0.5 %
 + resolution DVR)
 Shock 100 G (1 % Δ TR; 0.5 %
 + resolution Δ VR)
 Load Life 1,000 hours 1 watt @ 70 °C
 (2 % Δ TR)
 Rotational Life 200 cycles (2 % Δ TR)

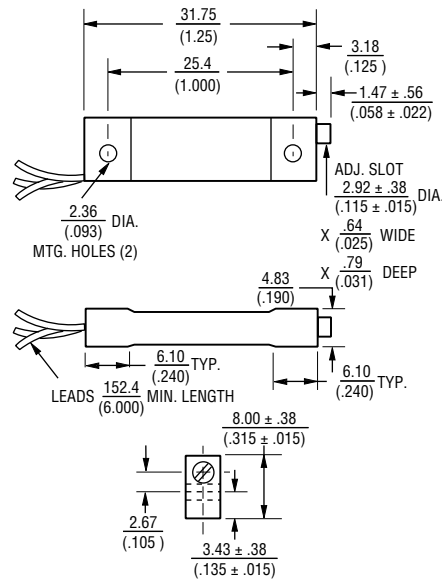
Physical Characteristics

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

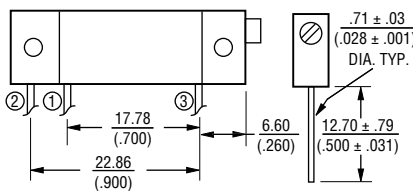
Product Dimensions

RT12C2L

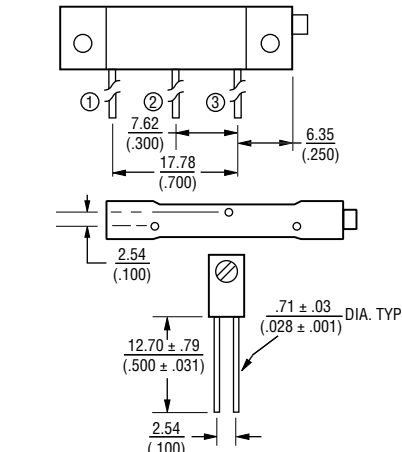
Common Dimensions



RT12C2P



RT12C2Y



Additional Information

Click these links for more information:



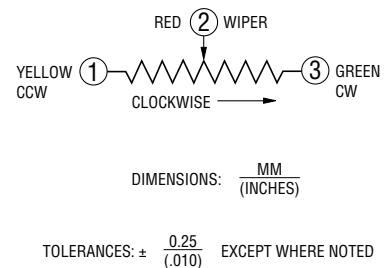
How To Order

MIL-PRF-27208 **RT12 C2 P 101**
 Model _____
 Characteristic _____
 C = ± 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

Schematic



REV. 08/24



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

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Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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