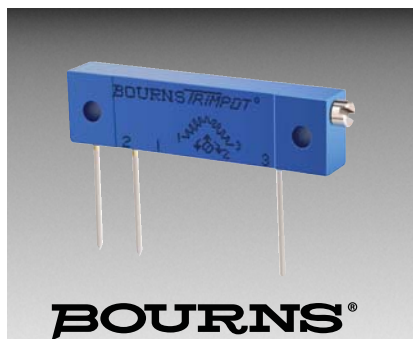




Features

- 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 Fluorinert*
(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 DVR)
Load Life 1,000 hours 1 watt @ 70 °C
(2 % Δ TR)
Rotational Life 200 cycles (2 % Δ TR)

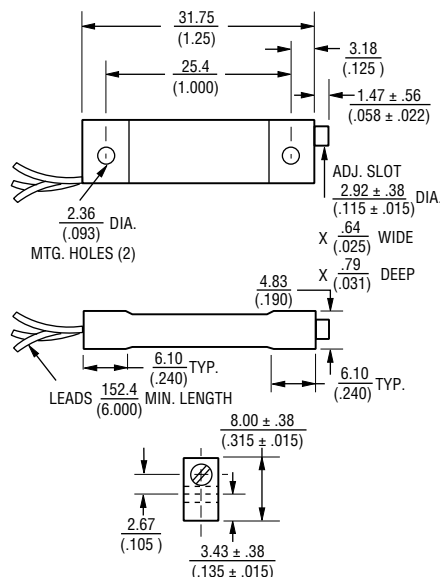
Physical Characteristics

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

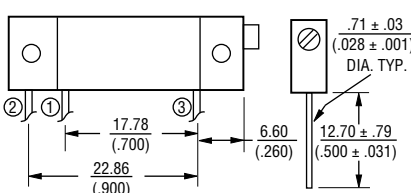
Product Dimensions

RT12C2L

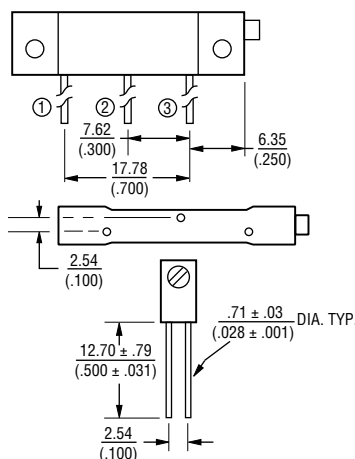
Common Dimensions



RT12C2P



RT12C2Y



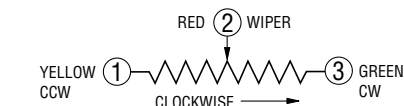
How To Order

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



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

REV. 04/14

"Trimpot" is a registered trademark of Bourns, Inc.

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

Mouser Electronics

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Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

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[RT12C2Y501](#) [RT12C2L200](#) [RT12C2L500](#) [RT12C2Y103](#) [RT12C2Y100](#) [RT12C2L201](#) [RT12C2Y101](#) [RT12C2L100](#)
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[RT12C2L202M](#) [RT12C2Y502](#) [RT12C2L103](#) [RT12C2L502](#)