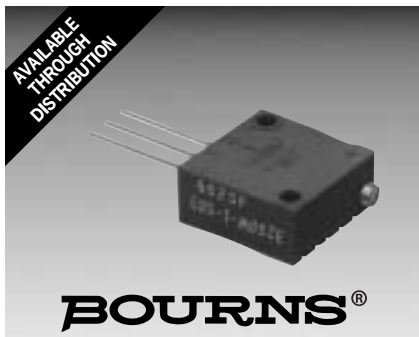




Features

- Multiturn / Wirewound / Sealed
- [Listed on the QPL](#) for style RT22 per MIL-R-27208 and RTR22 per High-Rel MIL-R-39015
- [Panel Mount option](#) available

3250/RT22/RTR22 - 1/2 " Square Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range

3250	10 to 50K ohms
RT22	50 to 20K ohms
RTR22	500 to 20K ohms

(see standard resistance table)

Resistance Tolerance..... $\pm 5\%$ std.
(tighter tolerance available)

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.....1,000 vac

80,000 Feet.....400 vac

Adjustment Travel.....25 turns nom.

Environmental Characteristics

Power Rating @ 85 °C

3250.....1.0 watt

RT22/RTR22.....0.75 watt

Power Rating @ 150 °C.....0 watt

Temperature Range.....-65 °C to +150 °C

Temperature Coefficient

3250..... ± 50 ppm/°C

RT22/RTR22..... ± 50 ppm/°C

Seal Test.....85 °C Fluorinert* (pin styles only)

Humidity.....MIL-STD-202 Method 106

3250.....(2 % Δ TR; 100 Megohms IR)

RT22.....(1 % Δ TR; 10 Megohms IR)

RTR22.....(1 % Δ TR; 100 Megohms IR)

Vibration.....30 G

(1 % Δ TR; 0.5 % + resolution Δ VR)

Shock.....100 G

(1 % Δ TR; 0.5 % + resolution Δ VR)

Load Life

3250.....1,000 hours 1.0 watt @ 85 °C

(2 % Δ TR; 500 ohms ENR)

RT22.....1,000 hours 0.75 watt @ 85 °C

(2 % Δ TR; 2 % + resolution Δ VR)

RTR22.....10,000 hours 0.75 watt @ 85 °C

(3 % Δ TR; 2 % + resolution Δ TR)

Rotational Life.....200 cycles

3250.....(2 % Δ TR; 500 ohms ENR)

RT22/RTR22.....(2 % Δ TR)

Physical Characteristics

Torque.....5.0 oz-in. max.

Mechanical Stops.....Wiper idles

Terminals

3250.....Solderable printed circuit pins

Flexible leads (7 strands of 30 AWG)

RT22/RTR22.....MIL-STD-202; Method 208

Weight.....0.06 oz.

Machine Screw Mounting

Torque.....12 oz-in. max.

Marking

3250.....Manufacturer's trademark,

resistance code, terminal numbers,

date code, manufacturer's model

number and style

RT22/RTR22.....Mil-spec part number

Wiper.....Set at CW end

Flammability.....U.L. 94V-0

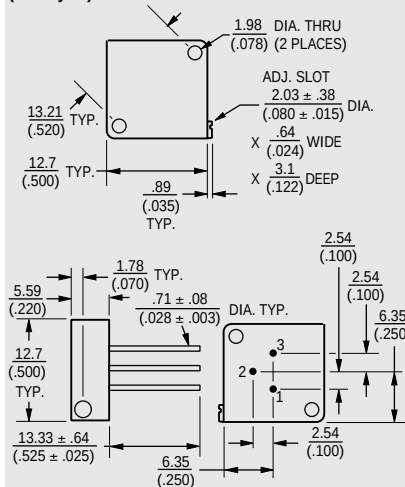
Standard Packaging

P&W Styles.....25 pcs. per tube

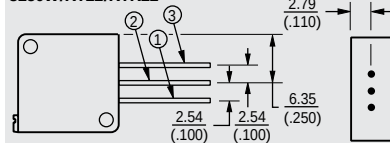
L Style.....25 pcs. per bag

Adjustment Tool.....H-90

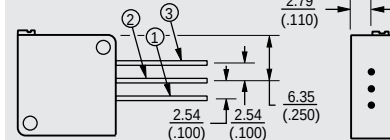
3250P/RT22/RTR22 Common Dimensions (Pin Styles)



3250W/RT22/RTR22



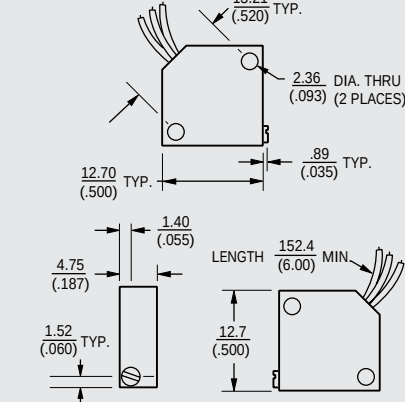
3250W-66/RT22X/RTR22X



"L" Flex Lead Type

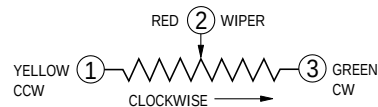
RT22 has mounting slots

RTR22 has mounting holes



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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



How To Order

3250 L - 1 - 103 M

Model _____

Style _____

Standard or Modified _____

Product Indicator _____

-1 = Standard Product

Resistance Code _____

Optional Suffix Letter _____

M = Panel Mount

(Factory Installed)

See "[Mil-Spec Numbering System](#)" for RT22/
RTR22 ordering information.

Consult factory for other available options.

Standard Resistance Table

Resistance (Ohms)	Nominal Resistance Code	Resolution (Percent)
10	100	1.30
20	200	1.00
50	500	0.80
100	101	0.90
200	201	0.70
500	501	0.60
1,000	102	0.40
2,000	202	0.30
5,000	502	0.25
10,000	103	0.19
20,000	203	0.16
25,000	253	0.14
50,000	503	0.13

Popular values listed in boldface. Special resistances available.

SHADED AREAS TYPICALLY NOT STOCKED BY DISTRIBUTORS AND NOT RECOMMENDED FOR NEW DESIGNS.