



TRIMPOT® Potentiometer
Model 3322
Single-Turn, High Performance
Cermet Element

FEATURES

- Bourns Model 3322 is listed on the DESC QPL for style RJ50, Mil-R-22097.
- Space saving size: 0.25" dia. x 0.24" high.
- Low temperature coefficient: ± 100 ppm/ $^{\circ}\text{C}$ over entire temperature and resistance range.
- 0.5 watt power rating at 85 $^{\circ}\text{C}$.
- Extended temperature range: -65° to $+175^{\circ}\text{C}$.
- Mil Spec immersion seal.

Actual Size



3322 P

STANDARD RESISTANCES

RESISTANCE (OHMS)	PART NUMBERS*
10	3322P-1-100
20	3322P-1-200
50	3322P-1-500
100	3322P-1-101
200	3322P-1-201
500	3322P-1-501
1,000	3322P-1-102
2,000	3322P-1-202

SPECIAL RESISTANCES AVAILABLE FROM 10 TO 2,000,000 OHMS.

RESISTANCE (OHMS)	PART NUMBERS*
5,000	3322P-1-502
10,000	3322P-1-103
20,000	3322P-1-203
50,000	3322P-1-503
100,000	3322P-1-104
200,000	3322P-1-204
500,000	3322P-1-504
1,000,000	3322P-1-105

*The last three digits of the part number represent the resistance in standard code.

OBSOLETE

Model 3322 TRIMPOT® Potentiometer

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Standard Resistance Range (see chart on front) 10 to 1,000,000 ohms
Resistance Tolerance* 10% standard, closer tolerances available
Absolute Minimum Resistance* 1 ohm
Continuity* Maintained for full mechanical range
Contact Resistance Variation Maximum* 3 ohms or 3%, whichever is greater
Insulation Resistance, 500 volts DC 1,000 megohms minimum

ENVIRONMENTAL CHARACTERISTICS

Power Ratings:
85°C 0.5 watt or 300 volts maximum
175°C 0 watt
Operating Temperature Range -65° to +175°C
Temperature Coefficient per MIL-R-22097* Maximum ± 100 ppm/°C all resistances
Humidity, MIL-STD-202, Method 106 10 megohms minimum insulation resistance after removal from chamber
Vibration Exceeds MIL-R-22097, 30Gs
Contact Bounce 0.1 millisecond maximum
Shock Exceeds MIL-R-22097, 100Gs
Contact Bounce 0.1 millisecond maximum
Sand and Dust Meets MIL-E-5272, Procedure 1

Salt Spray Meets MIL-R-22097
Fungus Materials meet MIL-S-5272
Load Life 1,000 hours per MIL-R-22097
Mechanical Life 200 cycles without discontinuity
Effective Electrical Rotation 240° $\pm 25^\circ$
Dielectric Strength MIL-R-22097
Room Conditions 600 volts AC minimum
80,000 Ft. 250 volts AC minimum

PHYSICAL CHARACTERISTICS

(85°C) Immersion Leak Test* No leaks
Markings* Date code, resistance, wiring diagram and manufacturer's model number
Appearance* Legible markings, no physical defects
Mechanical stops (single turn)* Solid
Stop Strength 4.0 oz.-in.
Shaft Torque 2.0 oz.-in. maximum
Weight Approximately 0.08 oz.

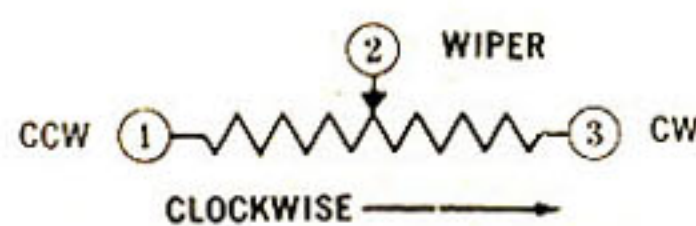
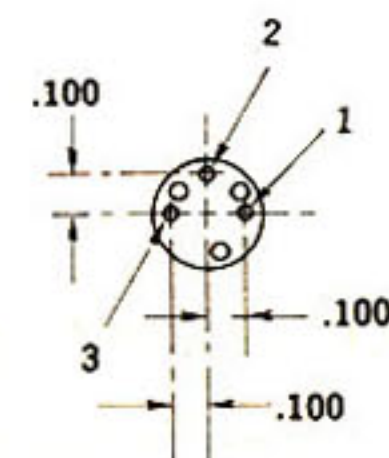
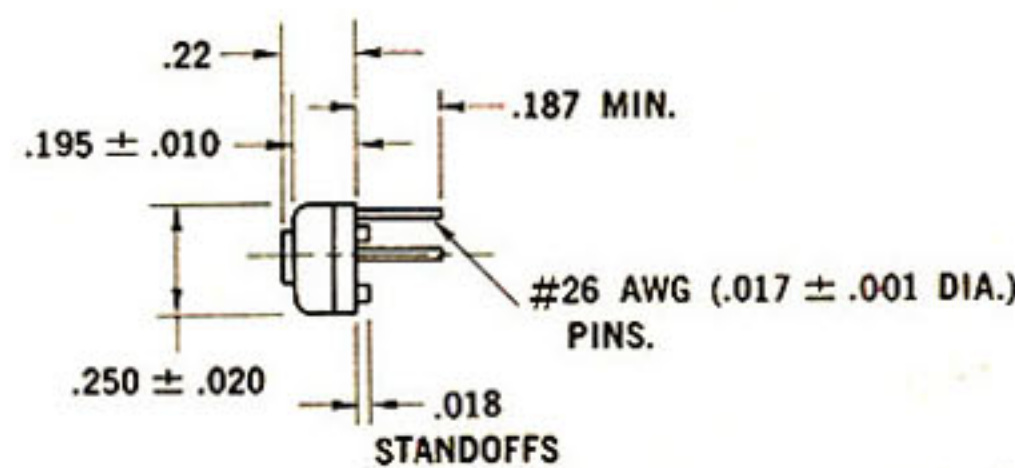
Terminals Tinned Pins
*Inspection Note: Applicable 100% or statistical sampling inspection performed to insure highest quality.

Specifications are subject to change without notice.

3322P

OBSOLETE

ELECTRICAL ADJUSTMENT,
.110 DIA. WITH .025 WIDE X
.040 DEEP SLOT.



TOLERANCE: EXCEPT WHERE NOTED : .XX $\pm .015$.XXX $\pm .005$



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