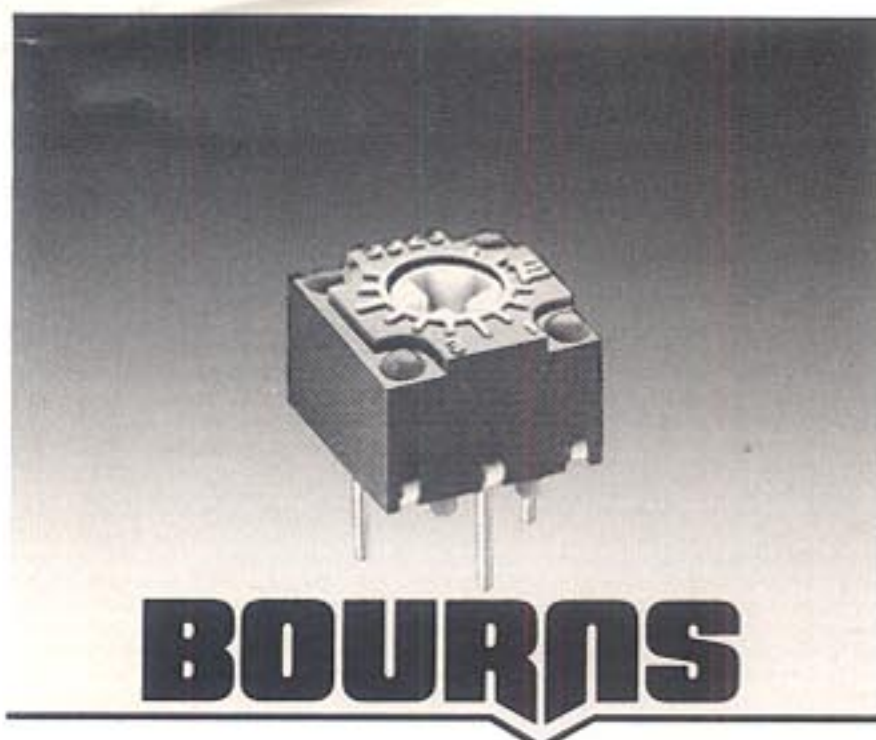




# 1/4" SQUARE / SINGLE-TURN / CERMET INDUSTRIAL / SEALED

- Miniature industrial single-turn
- 5 standard terminal styles
- Vertical and horizontal adjust types available
- Rotor designed for automatic machine adjust interface
- For tape and reel, see Model 3362

## Model 3323

Bourns® Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range  
..... 20 to 2,000,000 ohms  
(see standard resistance table)  
Resistance Tolerance.....  $\pm 20\%$  std.  
(closer tolerance available)  
Absolute Minimum Resistance  
..... 1% or 2 ohms  
(whichever is greater)  
Contact Resistance Variation  
..... 1.0% or 3 ohms  
(whichever is greater)

### Adjustability

Voltage.....  $\pm 0.05\%$   
Resistance.....  $\pm 0.15\%$   
Resolution..... Infinite  
Insulation Resistance..... 500 vdc.  
1,000 megohms min.  
Dielectric Strength  
Sea Level..... 900 vac  
80,000..... 350 vac  
Adjustment Angle.....  $240^\circ$  nom.

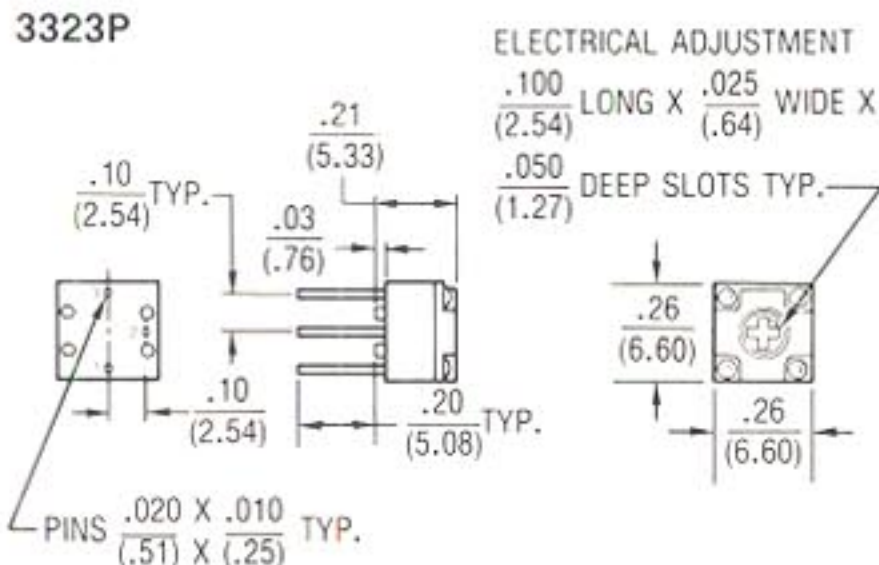
### Environmental Characteristics

Power Rating (300 volts max.)  
70°C..... 0.5 watt  
125°C..... 0 watt  
Temperature Range  
.....  $-55^\circ\text{C}$  to  $+125^\circ\text{C}$   
Temperature Coefficient  
.....  $\pm 100\text{ppm}/^\circ\text{C}$  max.  
Seal Test.....  $85^\circ\text{C}$  Fluorinert\*  
Humidity... MIL-STD-202 Method 103  
96 hours  
(2%  $\Delta\text{TR}$ , 10 Megohms IR)  
Vibration... 30G (1%  $\Delta\text{TR}$ , 1%  $\Delta\text{VR}$ )  
Shock... 100G (1%  $\Delta\text{TR}$ , 1%  $\Delta\text{VR}$ )  
Load Life  
..... 1,000 hours 0.5 watt @  $70^\circ\text{C}$   
(3%  $\Delta\text{TR}$ , 3% CRV)  
Mechanical Life..... 200 cycles  
(4%  $\Delta\text{TR}$ , 3% CRV)

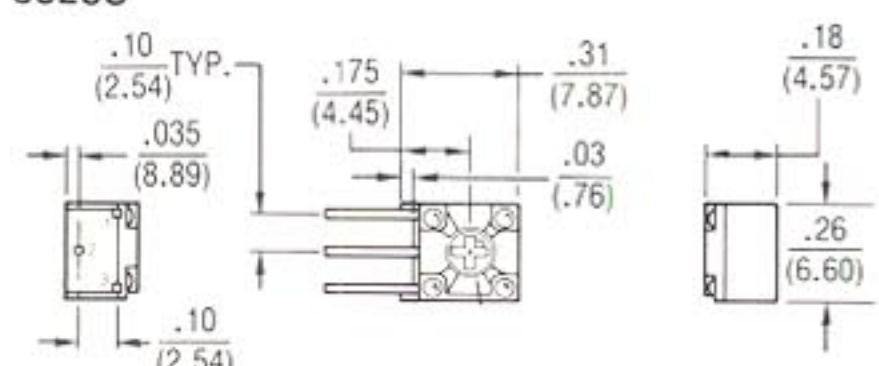
### Physical Characteristics

Mechanical Angle.....  $270^\circ$  nom.  
Torque..... 5.0 oz-in. max.  
Stop Strength..... 10.0 oz-in. min.  
Terminals..... Solderable pins  
Weight..... 0.02 oz.  
Flammability..... UL94V-0  
Marking..... Manufacturer's  
trademark, resistance code,  
terminal numbers, date code  
on packaging, manufacturer's  
model number and style

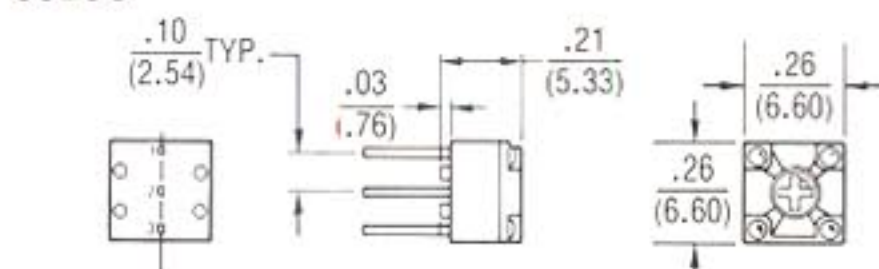
3323P



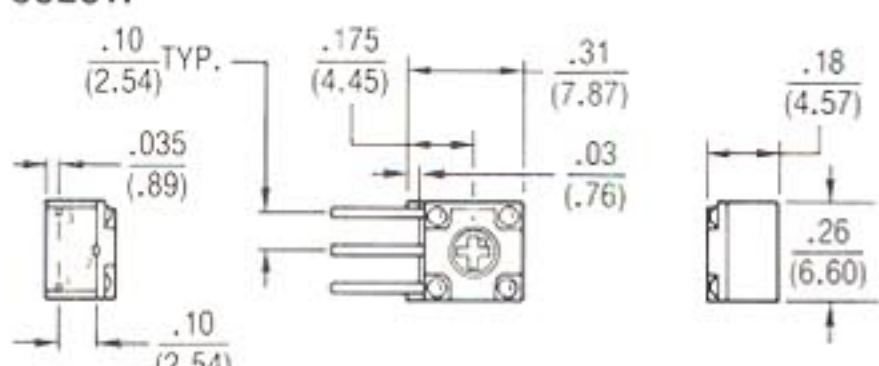
3323S



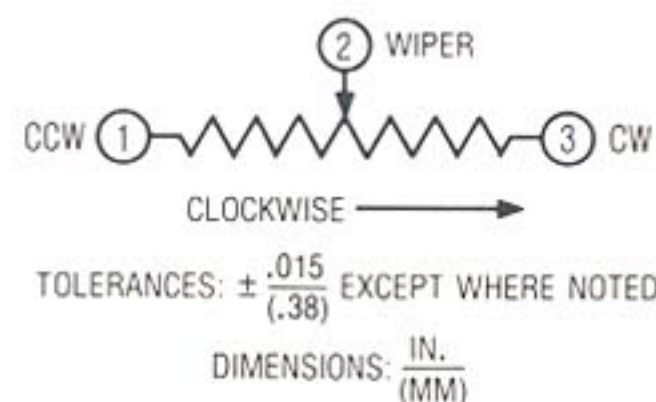
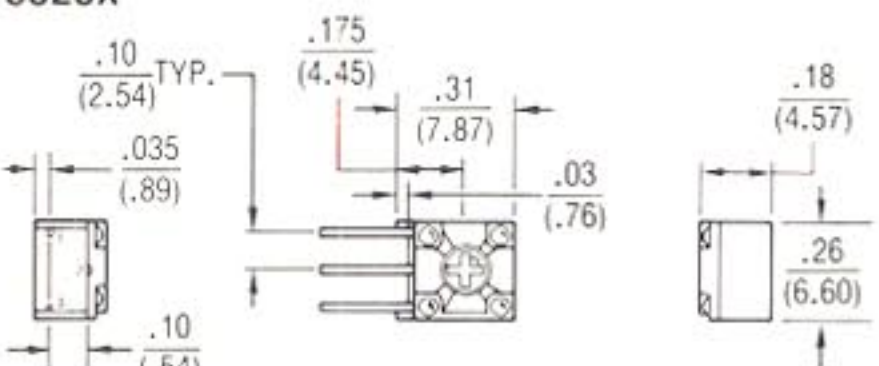
3323U



3323W



3323X



### STANDARD RESISTANCE TABLE

| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| 20                | 200             |
| 50                | 500             |
| 100               | 101             |
| 200               | 201             |
| 500               | 501             |
| 1,000             | 102             |
| 2,000             | 202             |
| 5,000             | 502             |
| 10,000            | 103             |
| 20,000            | 203             |
| 25,000            | 253             |
| 50,000            | 503             |
| 100,000           | 104             |
| 200,000           | 204             |
| 250,000           | 254             |
| 500,000           | 504             |
| 1,000,000         | 105             |
| 2,000,000         | 205             |

Special resistances available from 20 ohms to 2,000,000 ohms.

### HOW TO ORDER

3323 W - 1 - 103

Model \_\_\_\_\_  
Style \_\_\_\_\_  
Standard or Modified \_\_\_\_\_  
Product Indicator  
-1 = Standard Product  
-10 = 10% Tolerance  
Resistance Code \_\_\_\_\_

Consult factory for other available options.

**OBSOLETE**