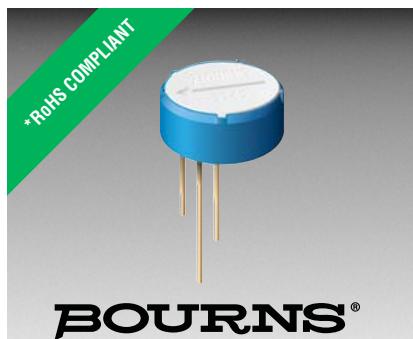




## Features

- Single-turn / Wirewound / Industrial / Sealed
- Industrial wirewound
- 1.0 watt power rating at 70 °C
- Available with a thumbwheel and screwdriver slot adjustment
- RoHS compliant\*

- For trimmer applications/processing guidelines, [click here](#)

## 3345 - 1/2" Round Trimpot® Trimming Potentiometer

### Electrical Characteristics

|                             |                                                     |
|-----------------------------|-----------------------------------------------------|
| Standard Resistance Range   | 10 to 50K ohms<br>(see standard resistance table)   |
| Resistance Tolerance        | ±5 % std.<br>(tighter tolerance available)          |
| Absolute Minimum Resistance | 1.0 % or 0.5 ohms max.<br>(whichever is greater)    |
| Noise                       | 100 ohms ENR max.                                   |
| Resolution                  | See standard resistance table<br>1,000 megohms min. |
| Dielectric Strength         |                                                     |
| Sea Level                   | 1,500 vac                                           |
| 70,000 Feet                 | 350 vac                                             |
| Insulation Resistance       | 500 vdc.<br>100 megohms min.                        |
| Adjustment Angle            | 280 ° nom.                                          |

### Environmental Characteristics

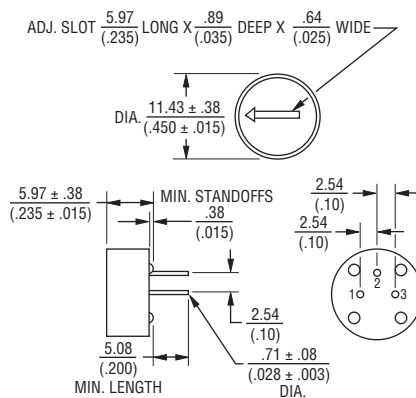
|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Power Rating            |                                                    |
| 70 °C                   | 1 watt                                             |
| 150 °C                  | 0 watt                                             |
| Temperature Range       | -55 °C to +150 °C                                  |
| Temperature Coefficient | ±50 ppm/°C                                         |
| Seal Test               | 85 °C Fluorinert†                                  |
| Humidity                | MIL-STD-202 Method 106<br>(1 % ΔTR, 10 megohms IR) |
| Vibration               | 30 G (1 % ΔTR; 1 % ΔVR)                            |
| Shock                   | 100 G (1 % ΔTR; 1 % ΔVR)                           |
| Load Life               | 1,000 hours, 1 watt @ 70 °C                        |
| Rotational Life         | 200 cycles<br>(2 % ΔTR; 500 ohms ENR)              |

### Physical Characteristics

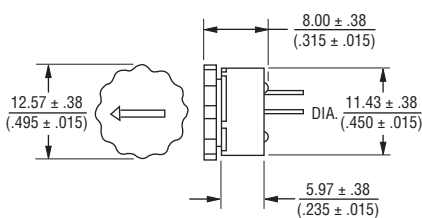
|                    |                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------|
| Mechanical Angle   | 310 ° nom.                                                                                                              |
| Torque             | 5.0 oz-in. max.                                                                                                         |
| Stop Strength      | 15 oz-in. min.                                                                                                          |
| Terminals          | Solderable pins                                                                                                         |
| Weight             | 0.04 oz.                                                                                                                |
| Marking            | Manufacturer's<br>trademark, resistance code,<br>wiring diagram, date code,<br>manufacturer's model number<br>and style |
| Standard Packaging | 100 pcs. per bag                                                                                                        |

### Product Dimensions

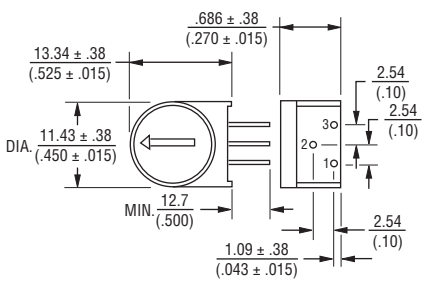
#### 3345P



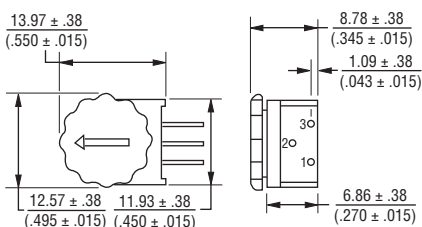
#### 3345P THUMBWHEEL



#### 3345W



#### 3345W THUMBWHEEL



### Standard Resistance Table

| Resistance (Ohms) | Resistance Code | Nominal Resolution (Percent) |
|-------------------|-----------------|------------------------------|
| 10                | 100             | 0.94                         |
| 20                | 200             | 0.76                         |
| 50                | 500             | 0.58                         |
| 100               | 101             | 0.49                         |
| 200               | 201             | 0.49                         |
| 500               | 501             | 0.38                         |
| 1,000             | 102             | 0.30                         |
| 2,000             | 202             | 0.24                         |
| 5,000             | 502             | 0.18                         |
| 10,000            | 103             | 0.14                         |
| 20,000            | 203             | 0.13                         |
| 50,000            | 503             | 0.12                         |

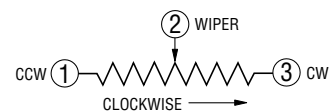
Special resistances available from 10 to 50K ohms.

### How To Order

**3345 P - 1 - 502 T**

Model \_\_\_\_\_  
 Style \_\_\_\_\_  
 Standard Product \_\_\_\_\_  
 Resistance Code \_\_\_\_\_  
 Optional Suffix Letter \_\_\_\_\_  
 T = Thumb Wheel

Consult factory for other available options.



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

TOLERANCES:  $\frac{0.25}{(.010)}$  EXCEPT WHERE NOTED

REV. 04/14

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

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

†"Fluorinert" is a registered trademark of 3M Co.

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.