

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

### Environmental Characteristics

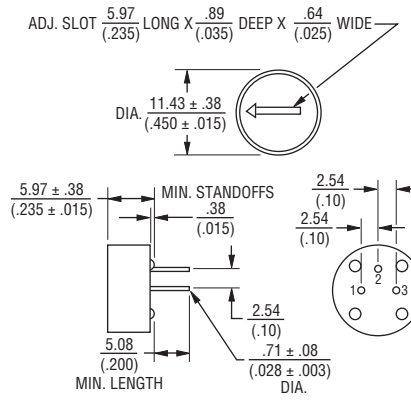
Power Rating  
 70 °C ..... 1 watt  
 150 °C ..... 0 watt  
 Temperature Range ..... -55 °C to +150 °C  
 Temperature Coefficient ..... ±50 ppm/°C  
 Seal Test ..... 85 °C Fluorinert†  
 Humidity ..... MIL-STD-202 Method 106  
 (1 % ΔTR, 10 megohms IR)  
 Vibration ..... 30 G (1 % ΔTR; 1 % ΔVR)  
 Shock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

### Physical Characteristics

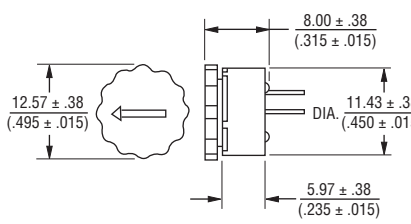
Mechanical Angle ..... 310 ° nom.  
 Torque ..... 5.0 oz-in. max.  
 Stop Strength ..... 15 oz-in. min.  
 Terminals ..... Solderable pins  
 Weight ..... 0.04 oz.  
 Marking ..... Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style  
 Standard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

### Product Dimensions

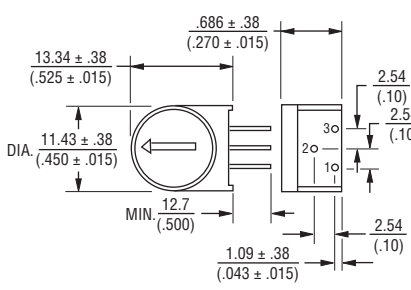
#### 3345P



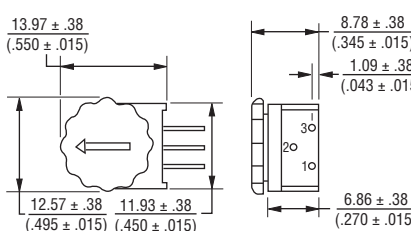
#### 3345P THUMBWHEEL



#### 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

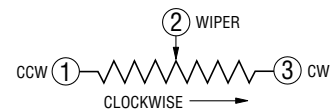
Special resistances available from 10 to 50K ohms.

### 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



**WARNING Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

REV. 04/14

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

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

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