

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

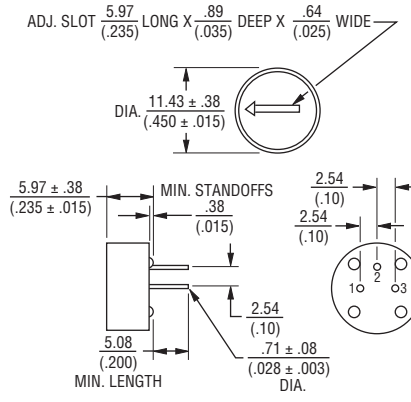
Power Rating
 70 °C 1 watt
 150 °C 0 watt
 Temperature Range -55 °C to +150 °C
 Temperature Coefficient ±50 ppm/°C
 Seal Test 85 °C Fluorinert†
 Humidity MIL-STD-202 Method 106
 (1 % ΔTR, 10 megohms IR)
 Vibration 30 G (1 % ΔTR; 1 % ΔVR)
 Shock 100 G (1 % ΔTR; 1 % ΔVR)
 Load Life 1,000 hours, 1 watt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

Physical Characteristics

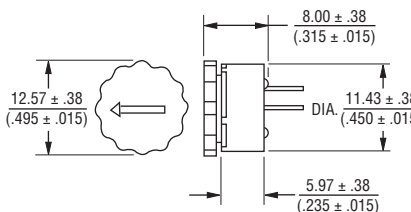
Mechanical Angle 310 ° nom.
 Torque 5.0 oz-in. max.
 Stop Strength 15 oz-in. min.
 Terminals Solderable pins
 Weight 0.04 oz.
 Marking Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
 Standard Packaging 100 pcs. per bag

Product Dimensions

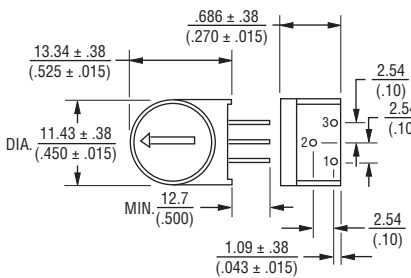
3345P



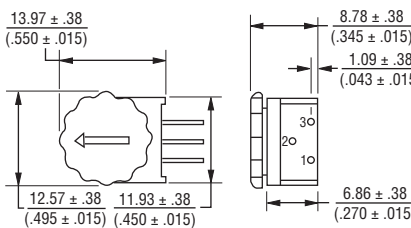
3345P THUMBWHEEL



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

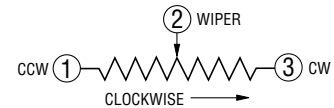
Special resistances available from 10 to 50K ohms.

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

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.