

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

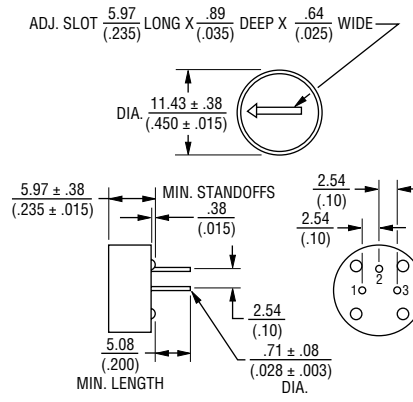
Power Rating	
70 °C	1 watt
150 °C	0 watt
Temperature Range	-55 °C to +150 °C
Temperature Coefficient	±50 ppm/°C
Seal Test	85 °C Fluorinert†
Humidity	MIL-STD-202 Method 106 (1 % ΔTR, 10 megohms IR)
Vibration	30 G (1 % ΔTR; 1 % ΔVR)
Shock	100 G (1 % ΔTR; 1 % ΔVR)
Load Life	1,000 hours, 1 watt @ 70 °C
Rotational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

Physical Characteristics

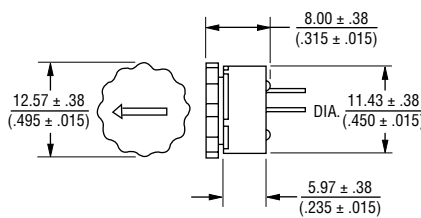
Mechanical Angle	310 ° nom.
Torque	5.0 oz-in. max.
Stop Strength	15 oz-in. min.
Terminals	Solderable pins
Weight	0.04 oz.
Marking	Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
Standard Packaging	100 pcs. per bag

Product Dimensions

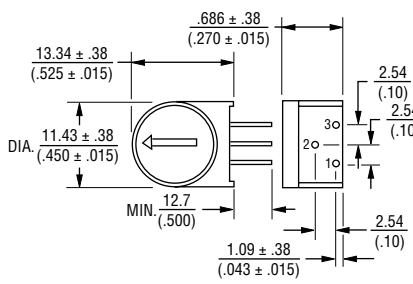
3345P



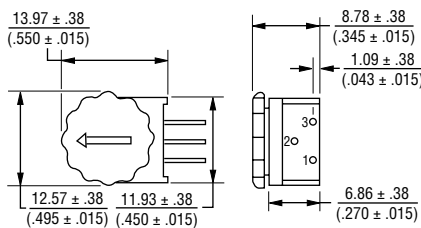
3345P THUMBWHEEL



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 _____

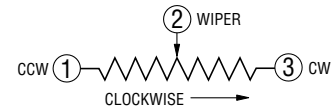
Standard Product _____

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. 08/19

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex "Trimpot" is a trademark of Bourns, Inc.

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

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WARNING Cancer and Reproductive Harm
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