

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 Level1,500 vac 70,000 Feet350 vac
Insulation Resistance	500 vdc. 100 megohms min.
Adjustment Angle	280 ° nom.

Environmental Characteristics

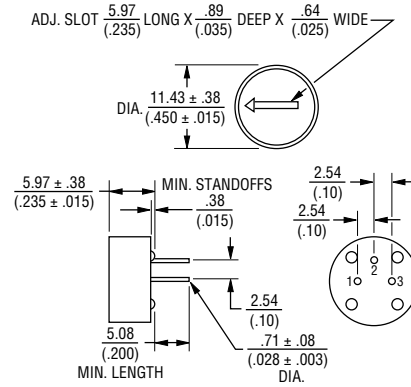
Power Rating	70 °C1 watt 150 °C0 watt
Temperature Range	-55 °C to +150 °C
Temperature Coefficient	±50 ppm/°C
Seal Test	85 °C Fluorinert†
Humidity	MIL-STD-202 Method 106 (1 % ΔTR, 10 megohms IR)
Vibration	30 G (1 % ΔTR; 1 % ΔVR)
Shock	100 G (1 % ΔTR; 1 % ΔVR)
Load Life	1,000 hours, 1 watt @ 70 °C
Rotational Life	200 cycles (2 % ΔTR; 500 ohms ENR)

Physical Characteristics

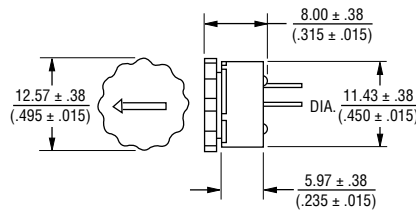
Mechanical Angle	310 ° nom.
Torque	5.0 oz-in. max.
Stop Strength	15 oz-in. min.
Terminals	Solderable pins
Weight	0.04 oz.
Marking	Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
Standard Packaging	100 pcs. per bag

Product Dimensions

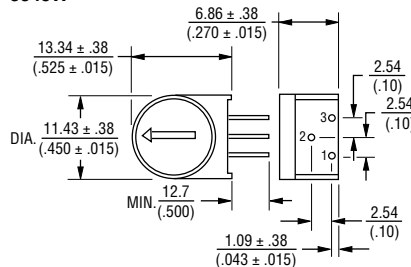
3345P



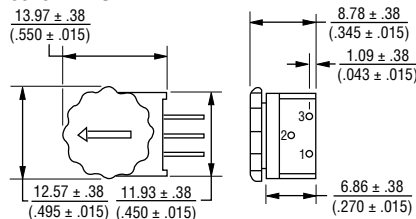
3345P THUMBWHEEL



3345W



3345W THUMBWHEEL



Additional Information

Click these links for more information:



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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.

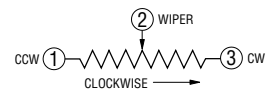
How To Order

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. 02/20

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex

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

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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