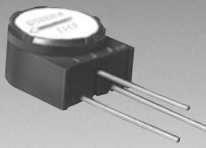


*ROHS COMPLIANT



BOURNS®

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*

3345 - 1/2 " Round 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.

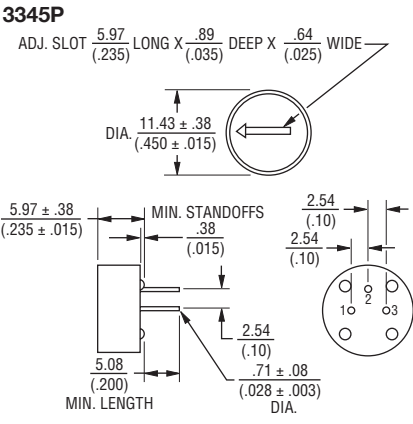
Environmental Characteristics

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)

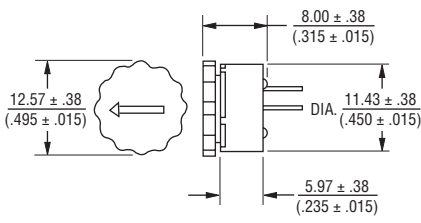
Physical Characteristics

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

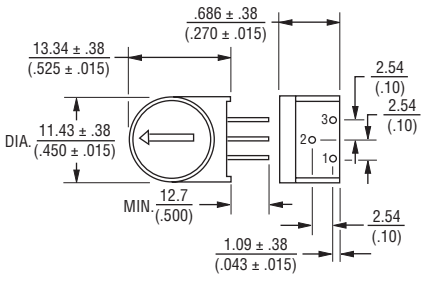
Product Dimensions



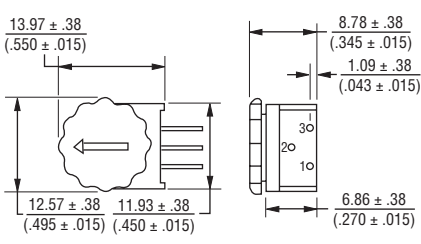
3345P THUMBWHEEL



3345W



3345W THUMBWHEEL



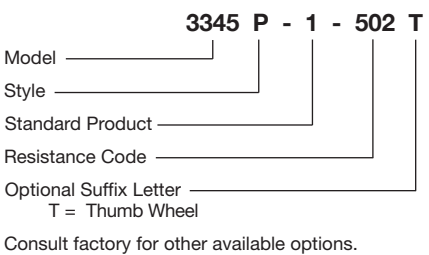
TOLERANCES: $\frac{\pm .25}{(\pm .010)}$ EXCEPT WHERE NOTED
 DIMENSIONS: $\frac{MM}{(INCHES)}$

Standard Resistance Table

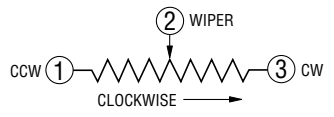
| Resistance (Ohms) | Resistance Code | Nominal Resolution (Percent) |
|-------------------|-----------------|------------------------------|
| 10 | 100 | 0.94 |
| 20 | 200 | 0.76 |
| 50 | 500 | 0.58 |
| 100 | 101 | 0.49 |
| 200 | 201 | 0.49 |
| 500 | 501 | 0.38 |
| 1,000 | 102 | 0.30 |
| 2,000 | 202 | 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



Consult factory for other available options.



*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
 †"Fluorinert" is a registered trademark of 3M Co.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.