Features
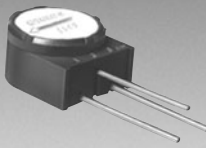
- Single-turn / Wirewound / Industrial / Sealed
- Industrial wirewound
- 1.0 watt power rating at 70 °C
- Available with a thumbwheel and screwdriver slot adjustment

- RoHS compliant*

BOURNS®

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
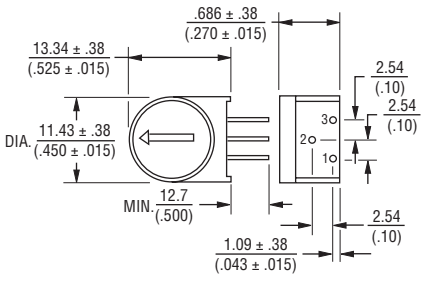and style
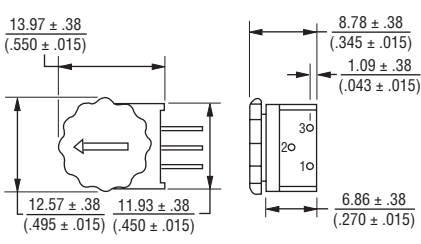Standard Packaging ....100 pcs. per bag

Product Dimensions
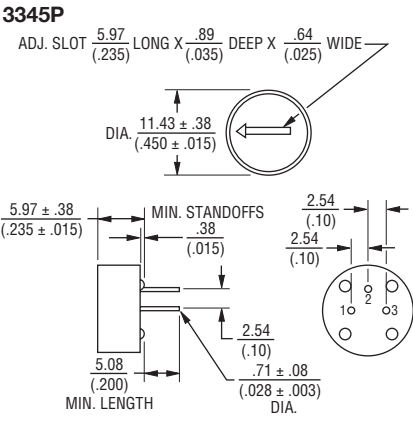
3345P
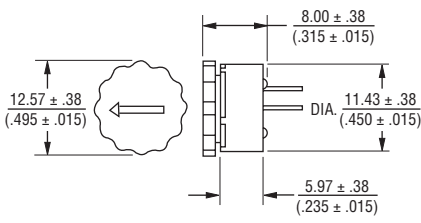
3345P THUMBWHEEL
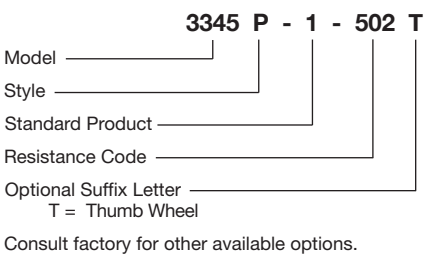

3345W

3345W THUMBWHEEL

TOLERANCES: $\frac{± .25}{(± .010)}$ EXCEPT WHERE NOTED

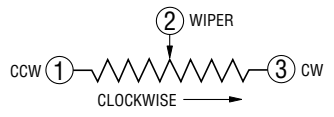DIMENSIONS: $\frac{MM}{(INCHES)}$

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

```
          3345  P - 1 - 502 T
Model ───────────┘
Style ──────────────┘
Standard Product ───────┘
Resistance Code ─────────────┘
Optional Suffix Letter ─────────────┘
    T =  Thumb Wheel
```

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.