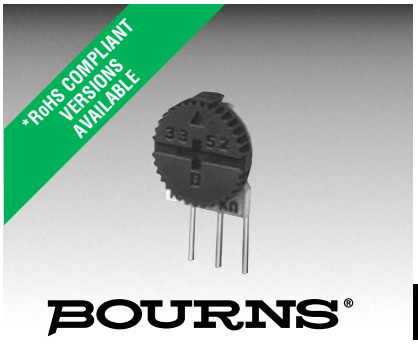


BOURNS®

Features

- Single-Turn / Cermet / Industrial / Open Frame
- Stable cermet element offers infinite resolution
- Very low profile
- Seven standard pin styles
- Thumb and screwdriver adjustment
- RoHS compliant* version available
- For trimmer applications/processing guidelines, click here

3352 - 3/8 ” Round Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
.....10 to 2 megohms
(see standard resistance table)
Resistance Tolerance ..... ±20 % std.
(tighter tolerance available)
Absolute Minimum Resistance
..... 2 ohms max.
Contact Resistance Variation
..... 1.0 % or 1 ohm max.
(whichever is greater)
Adjustability
Voltage ..... ±0.05 %
Resistance ..... ±0.25 %
Resolution ..... Infinite
Dielectric Strength
Sea Level..... 500 vac
80,000 Feet ..... 350 vac
Adjustment Angle ..... 205 ° nom.

Environmental Characteristics

Power Rating (250 volts max.)
85 °C ..... 0.50 watt
125 °C ..... 0 watt
Temperature Range ... -55 °C to +125 °C
Temperature Coefficient
±100 ppm/°C ..... 2K & up
±150 ppm/°C ..... Below 2K
Humidity .....MIL-STD-202 Method 103
96 hours
(2 % ΔTR, 10 Megohms IR)
Vibration ..... 30 G (2 % ΔTR; 2 % ΔVR)
Shock ..... 100 G (2 % ΔTR; 2 % ΔVR)
Load Life.. 1,000 hours 0.5 watt @ 85 °C
.....(3 % ΔTR)
Rotational Life .....200 cycles
(10 % ΔTR)

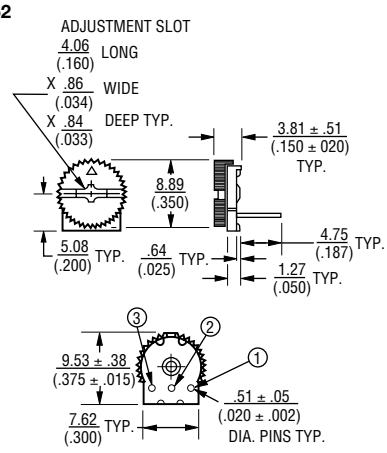
Physical Characteristics

Mechanical Angle ..... 250 ° nom.
Torque..... 3.0 oz-in. max.
Stop Strength ..... 8 oz -in. min.
Terminals ..... Solderable pins
Weight ..... 0.01 oz.
Marking..... Manufacturer’s
trademark, resistance value
and model number.
Date code on packaging.
Wiper ..... 50 % (Actual TR) ±10 %
Standard Packaging....100 pcs. per bag
Adjustment Tool..... H-90

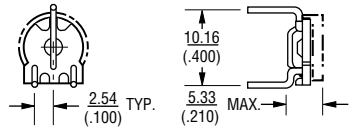
Aqueous cleaning not recommended.

Product Dimensions

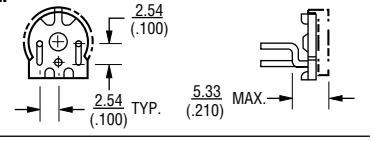
3352



3352E Top Adjust



3352P



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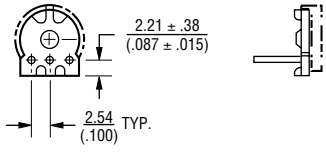
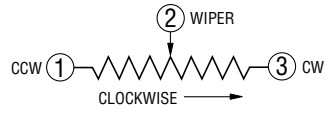
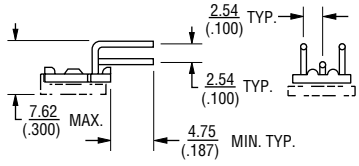
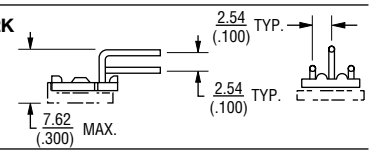




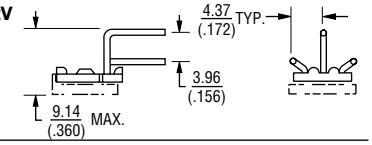
3352H Side Adjust



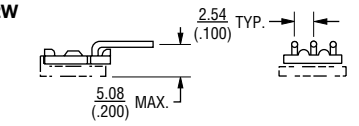
3352K



3352V



3352W



DIMENSIONS: MM (INCHES)

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	**101**
200	**201**
500	**501**
1,000	**102**
2,000	**202**
5,000	**502**
10,000	**103**
20,000	**203**
25,000	**253**
50,000	**503**
100,000	**104**
200,000	204
250,000	254
500,000	504
1,000,000	105
2,000,000	205

Popular values listed in boldface. Special resistances available.

How To Order

3352 W - 1 - 103 LF

Model
Style
Standard or Modified Product Indicator
-1 = Standard Product
Resistance Code
Terminations
LF = 100 % Tin-plated (RoHS compliant)
Blank = 90 % Tin / 10 % Lead-plated (Standard)

Consult factory for other available options.

REV. 08/10

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
“Trimpot” is a registered trademark of Bourns, Inc.
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

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