



## 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



## 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.



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$   
 TOLERANCES: ±  $\frac{0.25}{(.010)}$  EXCEPT WHERE NOTED

## Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
<b>100</b>	<b>101</b>
<b>200</b>	<b>201</b>
<b>500</b>	<b>501</b>
<b>1,000</b>	<b>102</b>
<b>2,000</b>	<b>202</b>
<b>5,000</b>	<b>502</b>
<b>10,000</b>	<b>103</b>
<b>20,000</b>	<b>203</b>
<b>25,000</b>	<b>253</b>
<b>50,000</b>	<b>503</b>
<b>100,000</b>	<b>104</b>
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.

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.