



## Features

- 9 mm Round / Single Turn / Carbon Commercial / Open Frame
- Both sides adjust
- Cross slot and hexagon adjustment designs
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- PC board stand-offs and retention feature
- RoHS compliant\*

## 3319 - 9 mm Round Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range .....100 to 1 megohm  
(see standard resistance table)  
Resistance Tolerance .....±25 % std.  
End Resistance .....2 % max. (≤2K = 30 ohms)  
Contact Resistance Variation .....3 % max.  
Resolution.....Infinite  
Adjustment Angle .....235 ° nom.

### Environmental Characteristics

Power Rating (200 volts max.)  
70 °C .....0.2 watt  
Temperature Range .....-25 °C to +100 °C  
Temperature Coefficient .....±1000 ppm/°C  
Load Life .....1,000 hours 0.2 watt @ 70 °C  
(<100K = +3/-7 % ΔTR)  
(≤100K = +3/-10 % ΔTR)

### Physical Characteristics

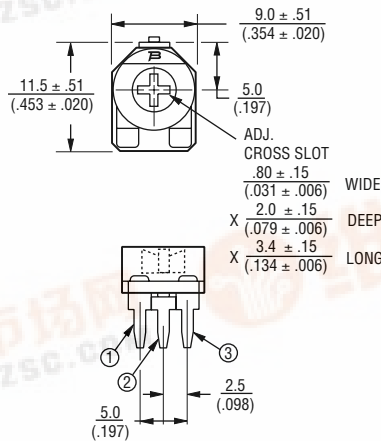
Torque (Operating) .....5 oz-in. max.  
Stop Strength .....11.0 oz -in. min.  
Terminals .....Solderable pins  
Marking .....Manufacturer's trademark, resistance code  
Standard Packaging .....200 pcs. per bag  
Adjustment Tool .....H-90

Aqueous cleaning not recommended

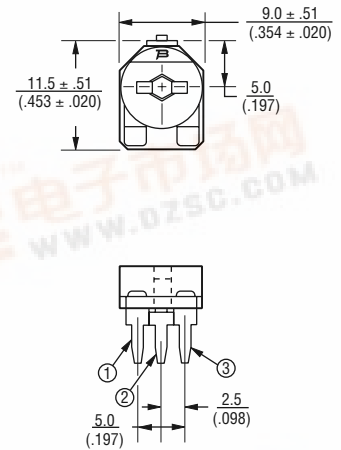
### How To Order

Model **3319 W - 2 - 103**  
Pin Style \_\_\_\_\_  
Rotor Style \_\_\_\_\_  
-1 = Standard  
-2 = Cross Slot/Single Slot Rear Adjust  
-3 = 2mm Hex Thru Hole  
Resistance Code \_\_\_\_\_

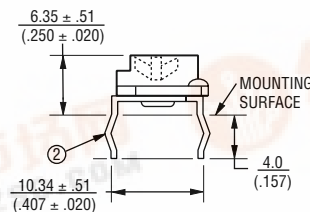
### 3319P Common Dimensions



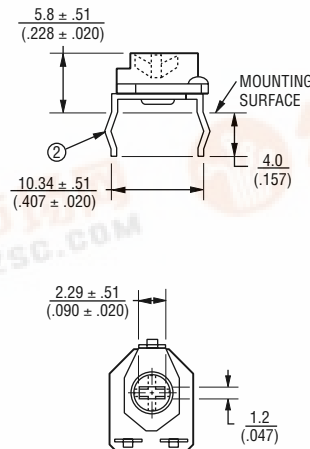
### 3319P-3 Both Sides Adjust/Hex



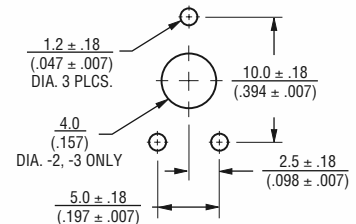
### 3319P-1 Top Adjust



### 3319P-2 Both Sides Adjust/Cross Slot



### SUGGESTED PWB LAYOUT - 3319P



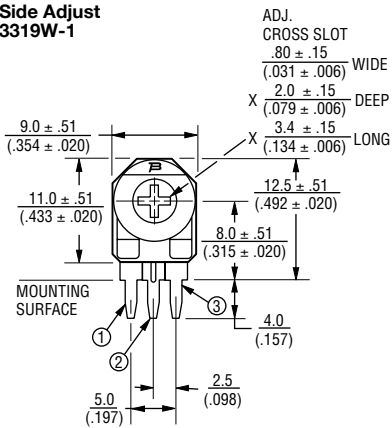
TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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

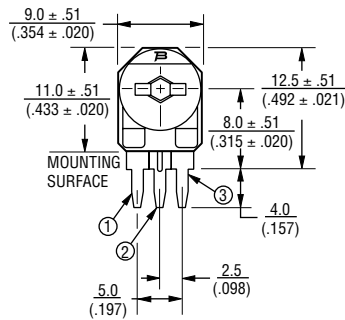
# 3319 - 9 mm Round Trimming Potentiometer

**BOURNS®**

## Side Adjust 3319W-1



## 3319W-3 Both Sides Adjust/Hex

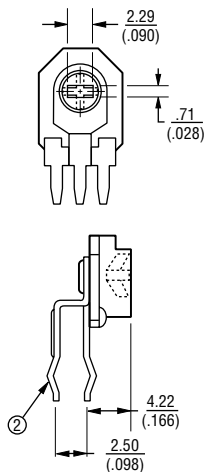


## Standard Resistance Table

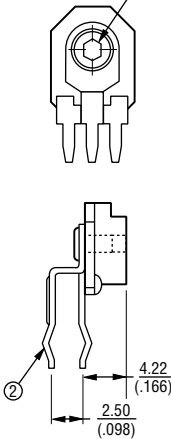
| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| <b>100</b>        | <b>101</b>      |
| <b>200</b>        | <b>201</b>      |
| <b>500</b>        | <b>501</b>      |
| <b>1,000</b>      | <b>102</b>      |
| <b>2,000</b>      | <b>202</b>      |
| <b>5,000</b>      | <b>502</b>      |
| <b>10,000</b>     | <b>103</b>      |
| <b>20,000</b>     | <b>203</b>      |
| <b>50,000</b>     | <b>503</b>      |
| <b>100,000</b>    | <b>104</b>      |
| <b>200,000</b>    | <b>204</b>      |
| <b>500,000</b>    | <b>504</b>      |
| <b>1,000,000</b>  | <b>105</b>      |

Popular distribution resistance values listed in boldface.

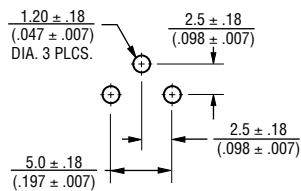
## 3319W-2 Both Sides Adjust /Cross Slot



HEX THRU HOLE  $2.0$  ( $.079$ ) ACROSS FLATS



## SUGGESTED PWB LAYOUT - 3319W



TOLERANCES:  $\pm 0.25$  (.010) EXCEPT WHERE NOTED

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

