



**BOURNS®**

# 3318 6 mm Square Trimming Potentiometer

## Features

- Single-Turn / Carbon / Commercial Open Frame
- Cross slot rotor design suitable for automatic adjustment equipment
- Board retention features
- Enclosed cover
- PC board stand-offs
- Adjustable front / back, top / bottom
- RoHS compliant\*

## Electrical Characteristics

Standard Resistance Range .....100  $\Omega$  to 1 M $\Omega$   
 (see standard resistance table)  
 Resistance Tolerance..... $\pm 20\%$   
 Contact Resistance Variation .....10 % max.  
 Resolution .....Infinite  
 Adjustment Angle .....210°  $\pm 15^\circ$

## Environmental Characteristics

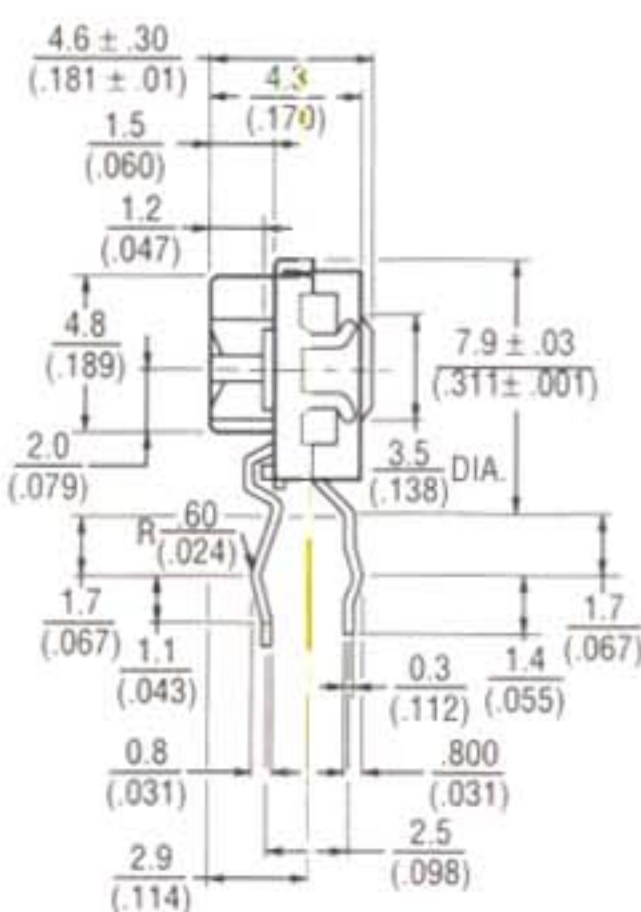
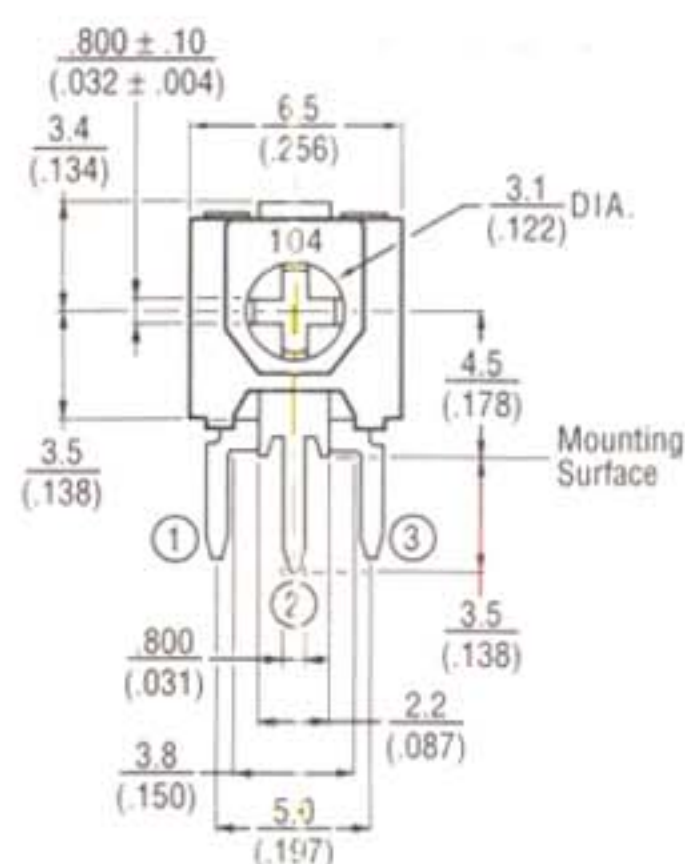
Power Rating .....0.1 watt  
 Temperature Range.....-10 °C to +70 °C  
 Temperature Coefficient ..... $\pm 1,000$  PPM/°C  
 Load Life .....240 hours @ 50 °C  
 (+20/-5 %  $\Delta$ TR)

## Physical Characteristics

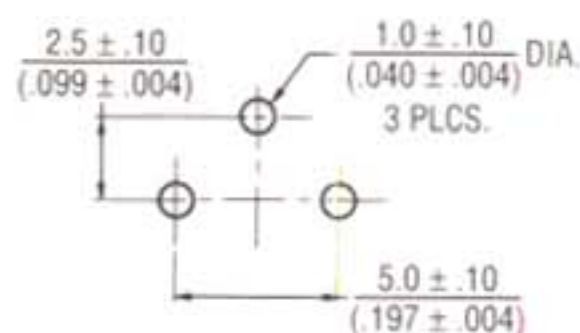
Torque (Operating) .....20~250 gf-cm  
 Stop Strength  
 Knob Side .....800 gf-cm  
 Reverse Side .....350 gf-cm  
 Terminals .....Solderable pins  
 Marking .....Resistance code  
 Standard Packaging .....500 pcs. per bag

## Product Dimensions

### Model 3318S

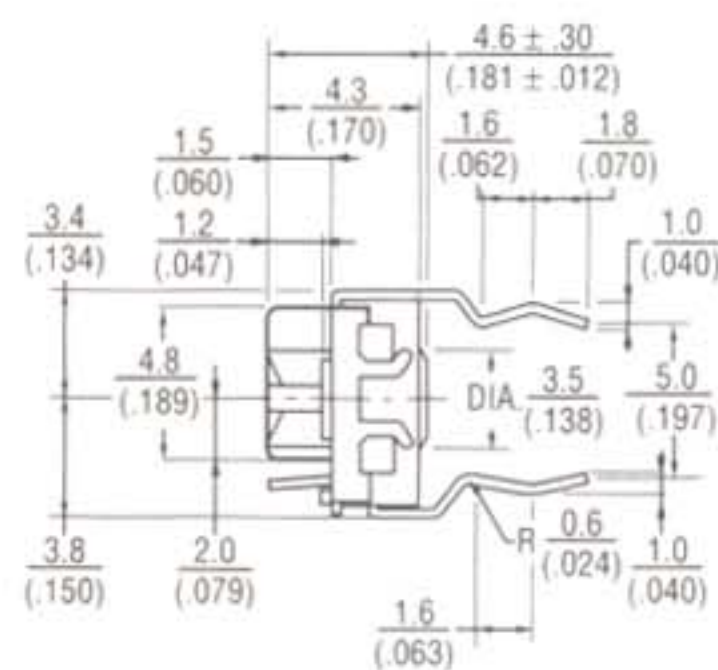
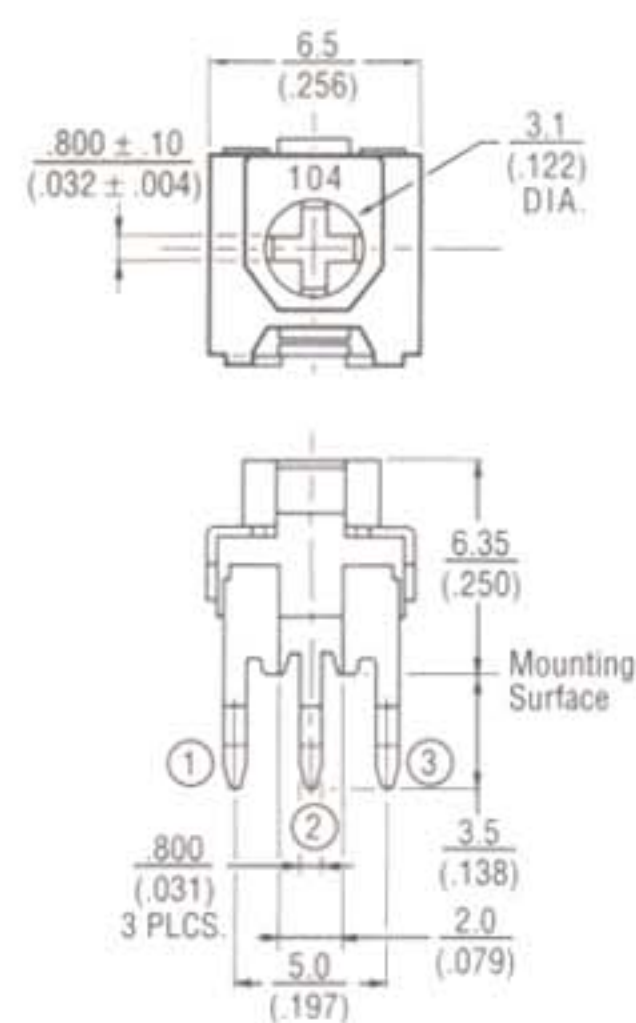


## Recommended PCB Layout

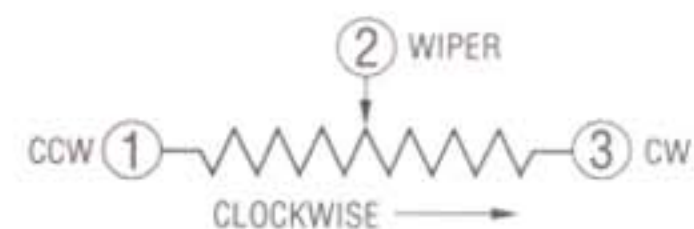
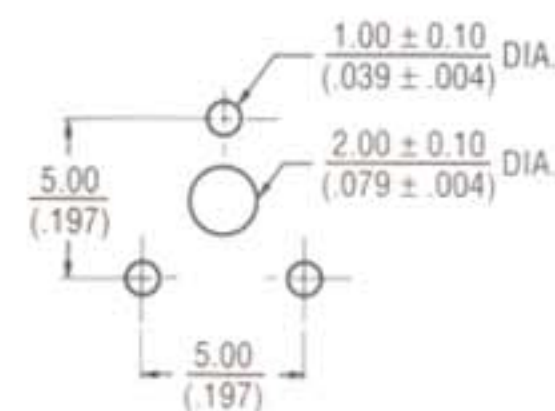


DIMENSIONS: MM/(INCHES)  
 TOLERANCES:  $\pm .25/(\pm .010)$  EXCEPT WHERE NOTED

### Model 3318P



## Recommended PCB Layout



Specifications are subject to change without notice.  
 \*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.  
 Customers should verify actual device performance in  
 their specific applications. REV 09/04

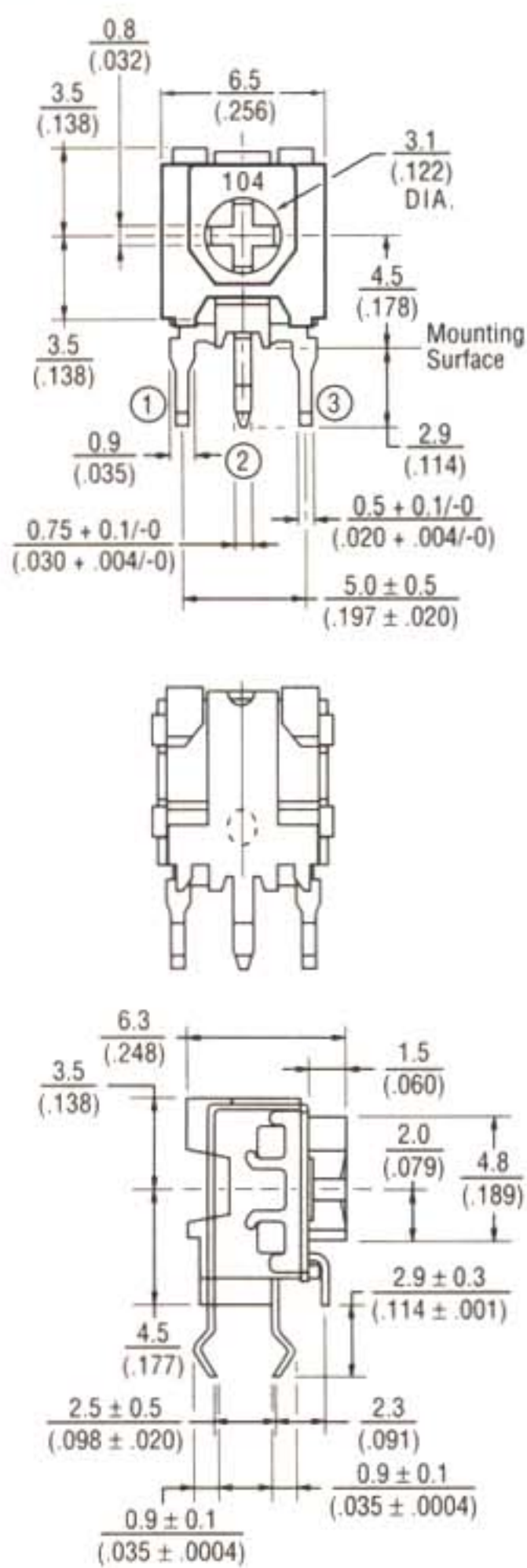
**OBsolete**



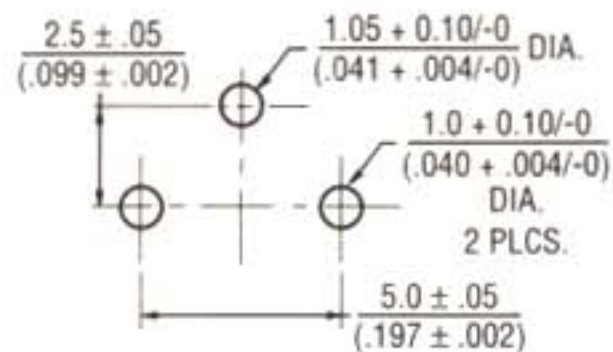
# 3318 – Product Dimensions and Ordering Information

## Product Dimensions

### Model 3318B



### Recommended PCB Layout



DIMENSIONS: MM/(INCHES)  
TOLERANCES: ±.25/(±.010) EXCEPT WHERE NOTED

## Standard Resistance Table

| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| 100               | 101             |
| 200               | 201             |
| 220               | 221             |
| 300               | 301             |
| 500               | 501             |
| 1,000             | 102             |
| 2,000             | 202             |
| 2,200             | 222             |
| 3,000             | 302             |
| 3,300             | 332             |
| 4,700             | 472             |
| 5,000             | 502             |
| 10,000            | 103             |
| 20,000            | 203             |
| 22,000            | 223             |
| 30,000            | 303             |
| 47,000            | 473             |
| 50,000            | 503             |
| 100,000           | 104             |
| 200,000           | 204             |
| 220,000           | 224             |
| 470,000           | 474             |
| 500,000           | 504             |
| 1,000,000         | 105             |

## How To Order

Model **3318 P - 1 - 103 A**

Style \_\_\_\_\_

Standard or Modified \_\_\_\_\_

Product Indicator \_\_\_\_\_

-1 = Standard Product

Resistance Code \_\_\_\_\_

Ammo Pak Designator \_\_\_\_\_

(G, S & B only)

**OBSOLETE**

Specifications are subject to change without notice.  
Customers should verify actual device performance in their specific applications.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Bourns:

[3318P-1-473](#) [3318P-1-472](#) [3318P-1-474](#) [3318S-1-203A](#) [3318S-1-204A](#) [3318S-1-201A](#) [3318P-1-203A](#) [3318P-1-201A](#) [3318P-1-223A](#) [3318P-1-472A](#) [3318S-1-502](#) [3318P-1-503](#) [3318P-1-502](#) [3318P-1-504](#) [3318S-1-504](#) [3318P-1-501](#) [3318S-1-501](#) [3318S-1-503](#) [3318P-1-301A](#) [3318S-1-103](#) [3318P-1-103](#) [3318S-1-105](#) [3318P-1-101](#) [3318S-1-104](#) [3318P-1-104](#) [3318S-1-102](#) [3318P-1-102](#) [3318P-1-105](#) [3318S-1-101](#) [3318P-1-302A](#) [3318P-1-101A](#) [3318S-1-105A](#) [3318S-1-102A](#) [3318S-1-104A](#) [3318P-1-105A](#) [3318S-1-101A](#) [3318P-1-104A](#) [3318P-1-302](#) [3318P-1-303](#) [3318P-1-301](#) [3318P-1-332A](#) [3318P-1-332](#) [3318P-1-222A](#) [3318S-1-501A](#) [3318P-1-501A](#) [3318P-1-103A](#) [3318P-1-221A](#) [3318S-1-502A](#) [3318S-1-503A](#) [3318P-1-503A](#) [3318S-1-504A](#) [3318P-1-502A](#) [3318P-1-504A](#) [3318P-1-202](#) [3318S-1-203](#) [3318S-1-201](#) [3318P-1-203](#) [3318P-1-224](#) [3318P-1-223](#) [3318P-1-201](#) [3318P-1-204](#) [3318S-1-204](#) [3318S-1-202](#) [3318P-1-204A](#) [3318S-1-202A](#) [3318P-1-202A](#) [3318P-1-303A](#) [3318P-1-473A](#)