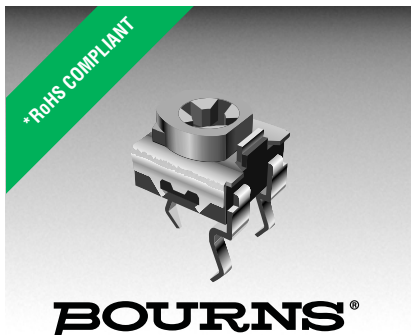




## Features

- Single-Turn / Carbon / Commercial Open Frame
- Cross slot rotor design suitable for automatic adjustment equipment
- Board retention feature
- Enclosed cover
- PC board stand-offs



Model 3318 is currently available, although not recommended for new designs. Models **3306F** & **3306K** are preferred.

- Adjustable front/back, top/bottom
- RoHS compliant\*
- For trimmer applications/processing guidelines, [click here](#)

## 3318 - 6 mm Square Timpot® Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range ..... 100 to 1 megohm  
(see standard resistance table)  
Resistance Tolerance .....  $\pm 30\%$   
(tighter tolerances available)  
Contact Resistance Variation...10 % max.  
Resolution ..... Infinite  
Adjustment Angle .....  $210^\circ \pm 20^\circ$

### Environmental Characteristics

Power Rating  
100-500K ohms ..... 50 V  
>500K ohms..... 25 V  
50 °C ..... 0.1 watt  
Temperature Range ... -25 °C to +100 °C  
Temperature Coefficient...  $\pm 1000$  ppm/°C  
Load Life.. 1,000 hours 0.1 watt @ 70 °C  
(20 %  $\Delta$ TR)

### Physical Characteristics

Torque (Operating) ..... 20-250 g-cm  
Stop Strength  
Knob Side ..... 750 g-cm  
Reverse Side ..... 350 g-cm  
Terminals ..... Solderable pins  
Marking..... Resistance code, date code  
Standard Packaging..... 500 pcs. per bag  
Adjustment Tool..... H-90  
Aqueous cleaning not recommended.

### How To Order

**3318 K - 1 - 103**

Model \_\_\_\_\_  
Style \_\_\_\_\_  
Standard or Modified \_\_\_\_\_  
Product Code \_\_\_\_\_  
-1 = 30 % TR Tolerance (Standard)  
-2 = 20 % TR Tolerance  
Resistance Code \_\_\_\_\_  
Packaging Options \_\_\_\_\_  
Blank = 500 pcs./bag (Standard)  
A = Ammo Pack - 1000 pcs./box

### 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>      |
| 200,000           | 204             |
| 500,000           | 504             |
| 1,000,000         | 105             |

Popular values listed in boldface. Others are typically not stocked by distributors and are not recommended for new designs.

\*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

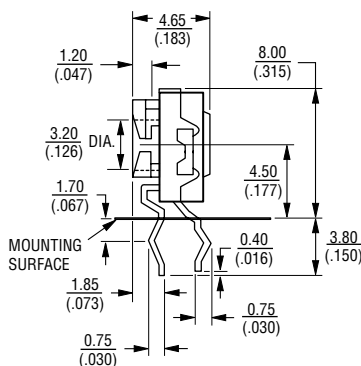
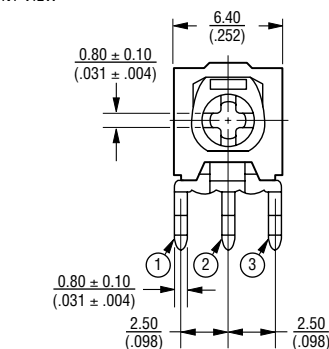
Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.

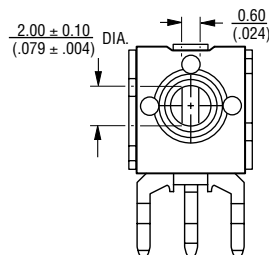
### Product Dimensions

3318K

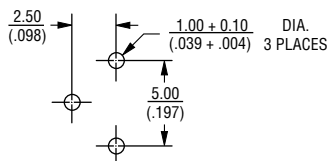
FRONT VIEW



REAR VIEW



SUGGESTED PWB LAYOUT

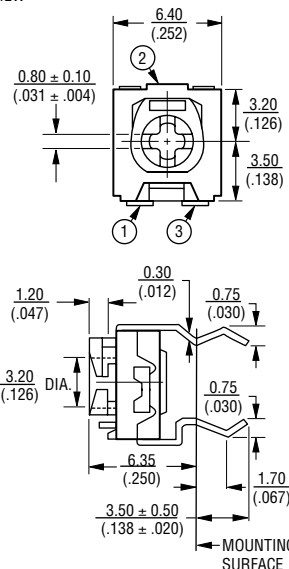


DIMENSIONS:  $\frac{\text{MM}}{(\text{INCHES})}$

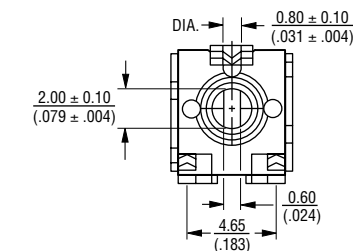
TOLERANCES:  $\pm \frac{0.25}{(.010)}$  EXCEPT WHERE NOTED

3318F

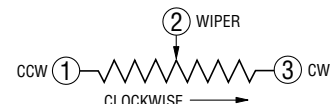
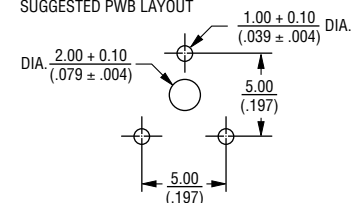
FRONT VIEW



REAR VIEW



SUGGESTED PWB LAYOUT

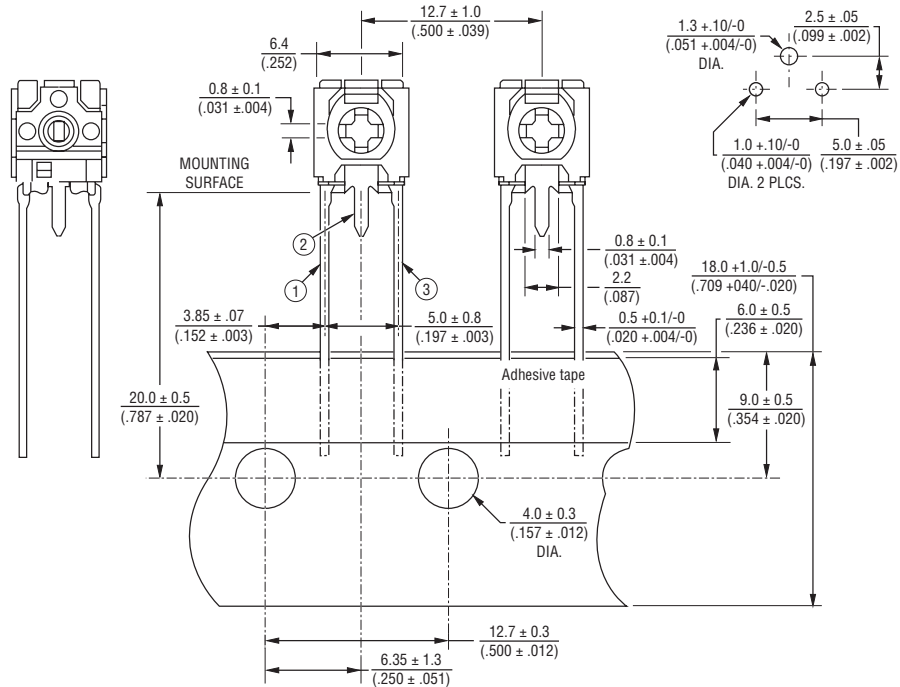
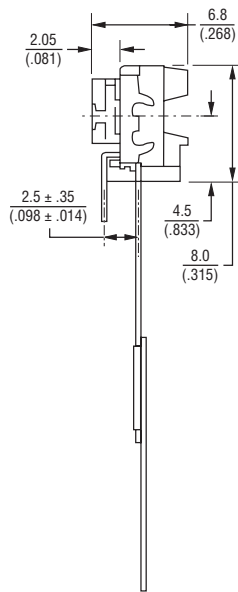


# 3318 - 6 mm Square Trimpot® Trimming Potentiometer

**BOURNS®**

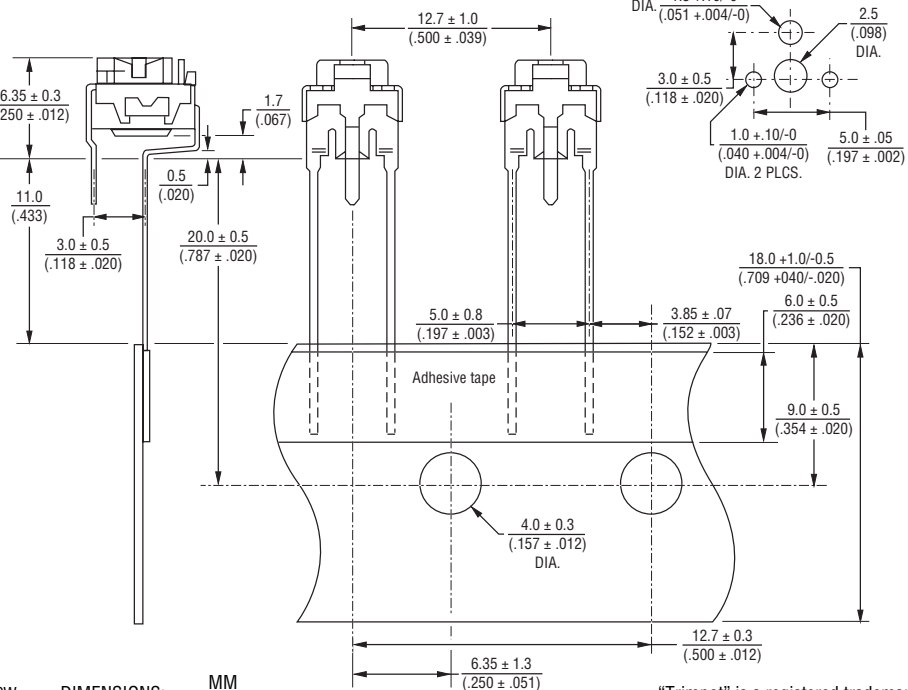
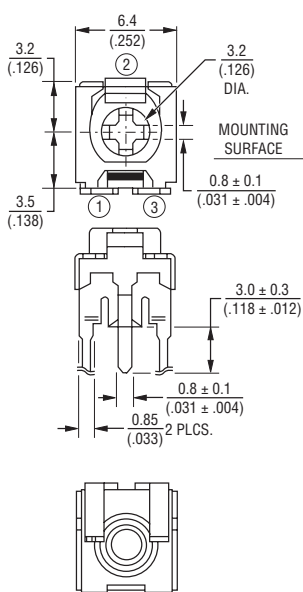
## Packaging Specifications

### Ammo Pack Model 3318K

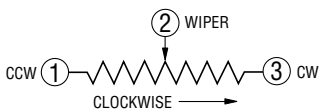


### Recommended PCB Layout

### Ammo Pack Model 3318F



### Recommended PCB Layout



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

REV. 08/10

"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.

# Mouser Electronics

Authorized Distributor

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

## Bourns:

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[3318K-1-503](#) [3318B-1-222](#) [3318B-1-224](#) [3318B-1-223](#) [3318B-1-204](#) [3318B-1-221](#) [3318F-1-202](#) [3318F-1-201](#)  
[3318B-1-201](#) [3318B-1-203](#) [3318F-1-203](#) [3318F-1-204](#) [3318B-1-202](#) [3318B-1-301](#) [3318B-1-303](#) [3318B-1-302](#)  
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