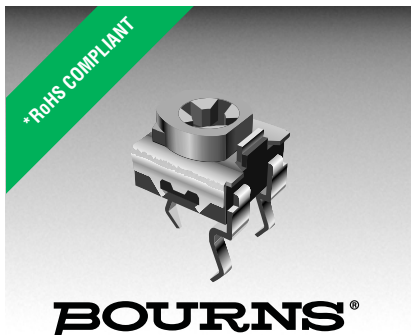




Features

- 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Model 3318 is obsolete.
Models **3306F** & **3306K** are preferred.

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

3318 - 6 mm Square Trimpot® 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... ± 1000 ppm/°C
Load Life.. 1,000 hours 0.1 watt @ 70 °C
(20 % Δ 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
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
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.

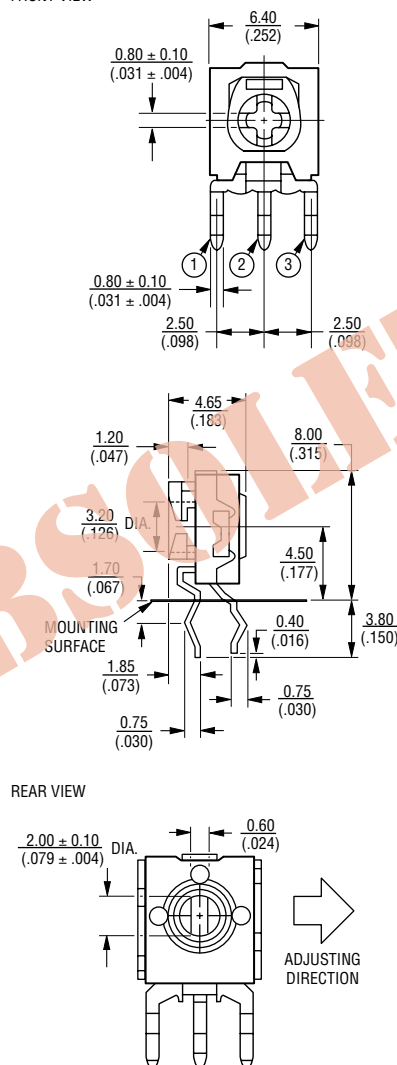
Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.

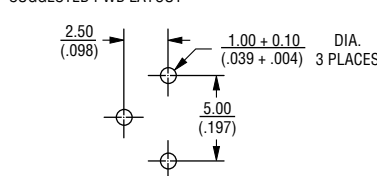
Product Dimensions

3318K

FRONT VIEW

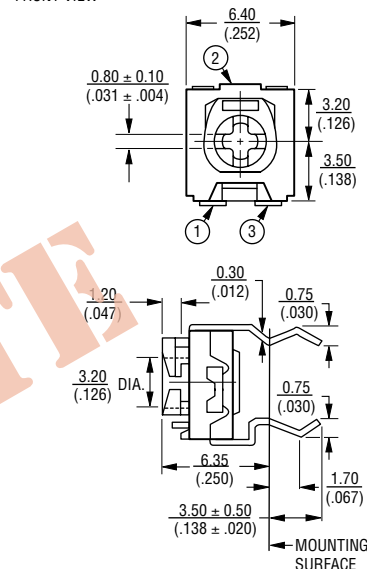


SUGGESTED PWB LAYOUT

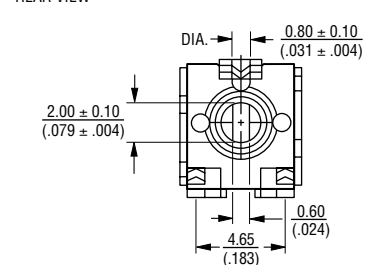


3318F

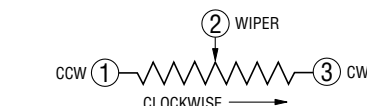
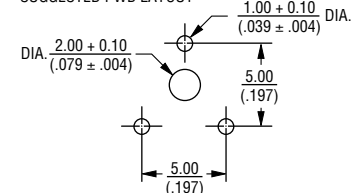
FRONT VIEW



REAR VIEW



SUGGESTED PWB LAYOUT



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

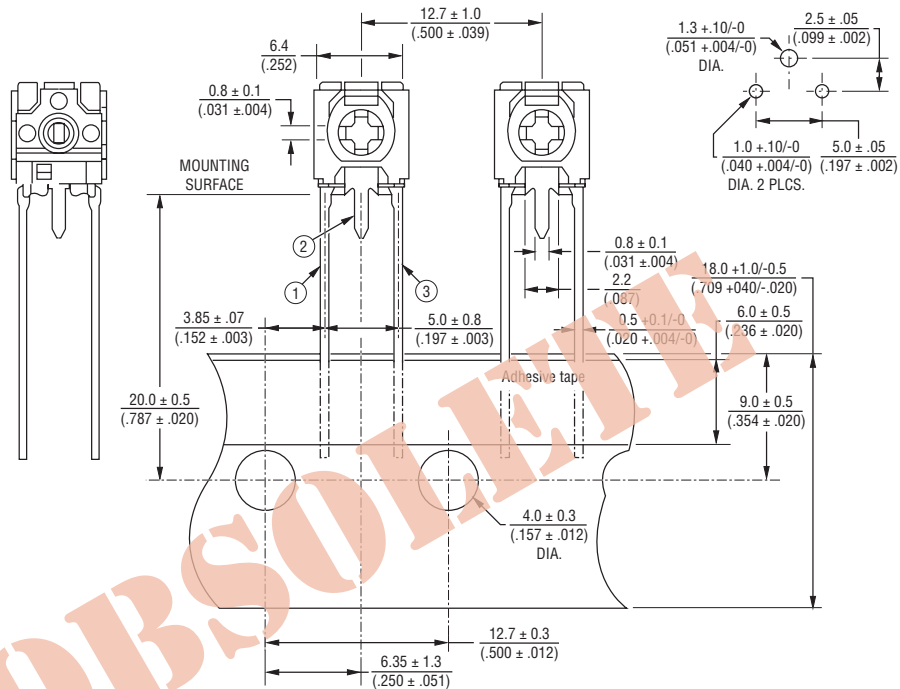
TOLERANCES: $\pm \frac{0.25}{(.010)}$ EXCEPT WHERE NOTED

BOURNS®

Ammo Pack Model 3318K

Technical drawing of a shaft-hub assembly. The drawing shows a shaft with a keyway and a hub with a keyway. The dimensions are as follows:

- Shaft diameter: 2.05 (inches) / $(.081)$ (millimeters)
- Hub inner diameter: $2.5 \pm .35$ (inches) / $(.098 \pm .014)$ (millimeters)
- Hub outer diameter: 6.8 (inches) / $(.268)$ (millimeters)
- Hub keyway depth: 4.5 (inches) / $(.833)$ (millimeters)
- Hub keyway width: 8.0 (inches) / $(.315)$ (millimeters)



Technical drawing of the 2 PLCS. (2-pin) connector, showing three views: top, side, and front.

Top View Dimensions:

- Overall Width: 6.4 (.252)
- Central Hole Diameter: 3.2 (.126) DIA.
- Mounting Surface Offset: 0.8 ± 0.1 (.031 ± .004)

Side View Dimensions:

- Overall Height: 3.5 (.138)
- Mounting Surface Offset: 0.8 ± 0.1 (.031 ± .004)

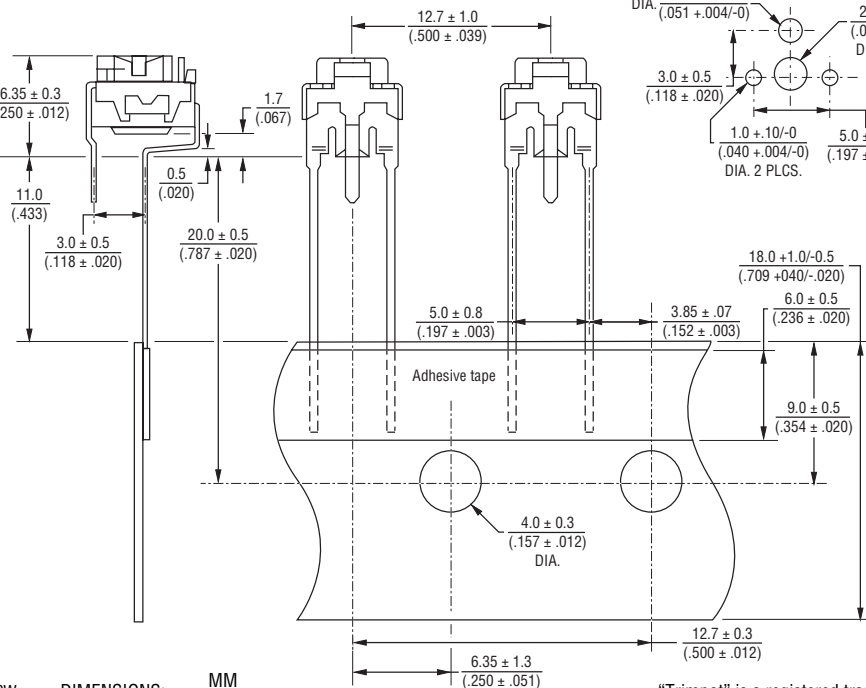
Front View Dimensions:

- Width: 0.85 (.033)
- Mounting Surface Offset: 0.8 ± 0.1 (.031 ± .004)

2 PLCS.

Figure 1 is a technical drawing of a mechanical part. It shows a rectangular block with a central hole and two side holes. The dimensions and tolerances are as follows:

- Top left hole: DIA. 1.3 ± 0.004
- Top right hole: DIA. 2.5 ± 0.098
- Left side hole: 3.0 ± 0.5 (position), DIA. $(.118 \pm .020)$
- Bottom left hole: 1.0 ± 0.004 (position), DIA. $(.040 \pm .004)$
- Bottom right hole: $5.0 \pm .05$ (position), DIA. $(.197 \pm .002)$
- Central hole: DIA. 2 PLCS.



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

“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.