



Features

- 9 mm Round / Single-Turn / Cermet Industrial / Open Frame
- Top and single side (front) adjust
- Cross slot adjustment design
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- PC board stand-offs and retention feature

- RoHS compliant*
- For trimmer applications/processing guidelines, [click here](#)

3309 - 9 mm Round Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
..... 100 ohms to 2 megohms
(see standard resistance table)
Resistance Tolerance $\pm 25\%$ std.
Absolute Minimum Resistance
..... 2 % max. ($\leq 2K = 30$ ohms)
Contact Resistance Variation
..... 3 % max.
Resolution Essentially infinite
Adjustment Angle 235° nom.

Environmental Characteristics

Power Rating (250 volts max.)
70 °C 0.5 watt
Temperature Range ... -25°C to $+100^\circ\text{C}$
Temperature Coefficient ... ± 250 ppm/°C
Load Life 1,000 hours 0.5 watt
@ 70 °C (5 % Δ TR)

Physical Characteristics

Mechanical Angle $260^\circ \pm 10^\circ$
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.

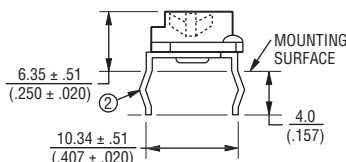
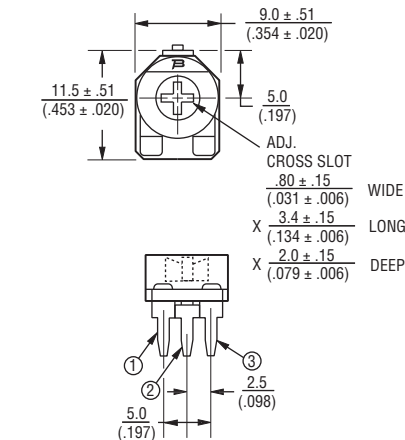
Standard Resistance Table

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
25,000	253
50,000	503
100,000	104
200,000	204
250,000	254
500,000	504
1,000,000	105
2,000,000	205

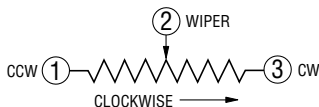
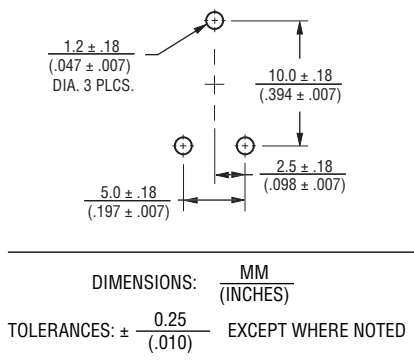
Popular distribution resistance values listed in boldface.

Product Dimensions

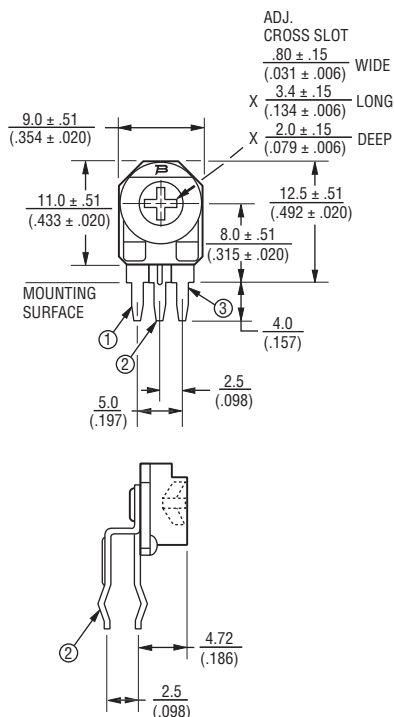
3309P-1 Top Adjust



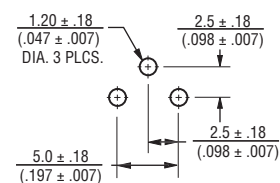
SUGGESTED PWB LAYOUT



3309W-1 Single Side (Front) Adjust



SUGGESTED PWB LAYOUT



How To Order

3309 W - 1 - 103

Model _____
Style _____
P = Top adjust
W = Single side (front) adjust
Rotor Style _____
-1 = Standard
Resistance Code _____

REV. 12/14

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

"Trimpot" is a registered trademark of Bourns, Inc.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

Mouser Electronics

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Bourns:

[3309W-2-502](#) [3309W-2-503](#) [3309W-2-501](#) [3309W-2-504](#) [3309W-2-102](#) [3309W-2-104](#) [3309W-2-101](#) [3309W-2-103](#)
[3309W-2-105](#) [3309W-2-205](#) [3309W-2-204](#) [3309W-2-203](#) [3309W-2-201](#) [3309W-2-202](#) [3309P-1-500](#) [3309W-3-105](#)
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[503](#) [3309W-3-504](#) [3309W-3-102](#) [3309W-3-104](#) [3309W-3-253](#) [3309W-3-254](#) [3309W-3-200](#) [3309W-3-204](#) [3309W-3-](#)
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[201](#) [3309P-2-502](#) [3309P-2-501](#) [3309P-2-504](#) [3309P-2-503](#) [3309P-2-104](#) [3309P-2-103](#) [3309P-2-105](#) [3309P-2-101](#)
[3309P-3-501](#) [3309P-3-504](#) [3309P-3-503](#) [3309P-3-102](#) [3309P-3-104](#) [3309P-3-101](#) [3309P-3-103](#) [3309P-3-105](#)
[3309P-2-472](#) [3309P-2-471](#) [3309P-2-473](#) [3309P-3-254](#) [3309P-3-253](#) [3309P-3-202](#) [3309P-3-205](#) [3309P-3-203](#)
[3309P-2-254](#) [3309P-2-253](#) [3309P-2-223](#) [3309P-2-224](#) [3309P-2-221](#)