

Features

- Single-Turn Cermet / Open Frame
- Recommended for reflow processing
- Rotor design compatible with automatic adjustment equipment
- Supplied in 8 mm embossed tape, compatible with automatic assembly equipment
- 2 mm size meets EIA/EIAJ standard trimmer footprint
- RoHS compliant* - see [processing information](#) on RoHS compliant surface mount trimmers
- For trimmer applications/processing guidelines, [click here](#)

3302 - 2 mm SMD Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
.....200 ohms to 1 megohm
(see standard resistance table)
Resistance Tolerance $\pm 25\%$ std.
Absolute Minimum Resistance
≤1K..... 20 ohms max.
>1K..... 5 % max.
Contact Resistance Variation
..... 5 % max.
Resolution Infinite
Adjustment Angle $260^\circ \pm 20^\circ$

Environmental Characteristics

Power Rating (50 VDC max.)
70 °C 0.15 watt
Temperature Range -40°C to $+85^\circ\text{C}$
Temperature Coefficient ... ± 250 ppm/°C
Humidity 95 % RH
500 hours
TRS max. $\pm 5\%$
Load Life
.....@ 70 °C rated power 500 hours
TRS $\pm 5\%$
Rotational Cycling 10 turns
TRS $\pm 15\%$

Physical Characteristics

Torque..... 10-150 g-cm max.
Mechanical Angle Continuous
Marking..... Part marking code
Standard Packaging.. 3000 pcs./7 " reel
Adjustment Tool..... H-92-1

Aqueous cleaning not recommended.

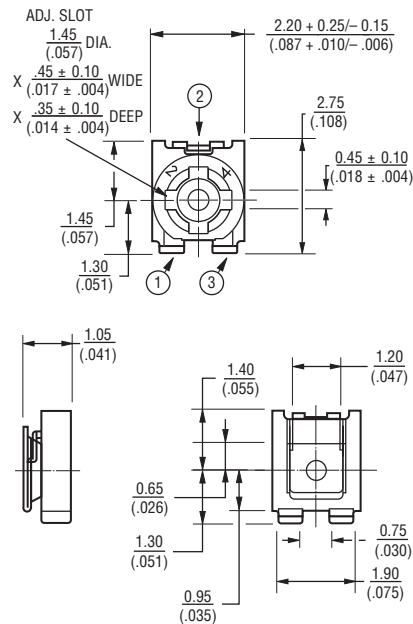
How To Order

3302 X - 3 - 103 E

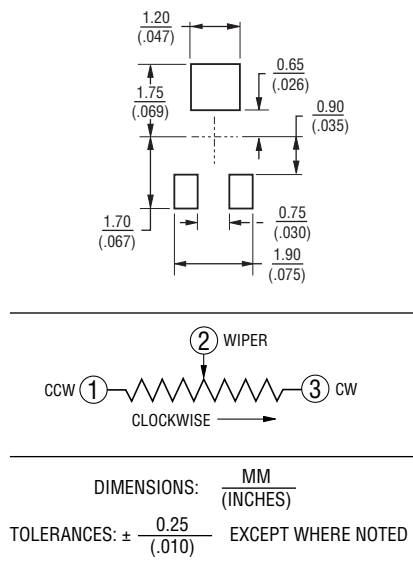
Model _____
Style _____
Orientation of Parts In Tape:
Style W: Terminals Toward
Sprocket Holes
Standard or Modified
Product Indicator
-3 = Continuous Rotation
Resistance Code _____
Embossed Tape Designator _____
Consult factory for other available options.

Product Dimensions

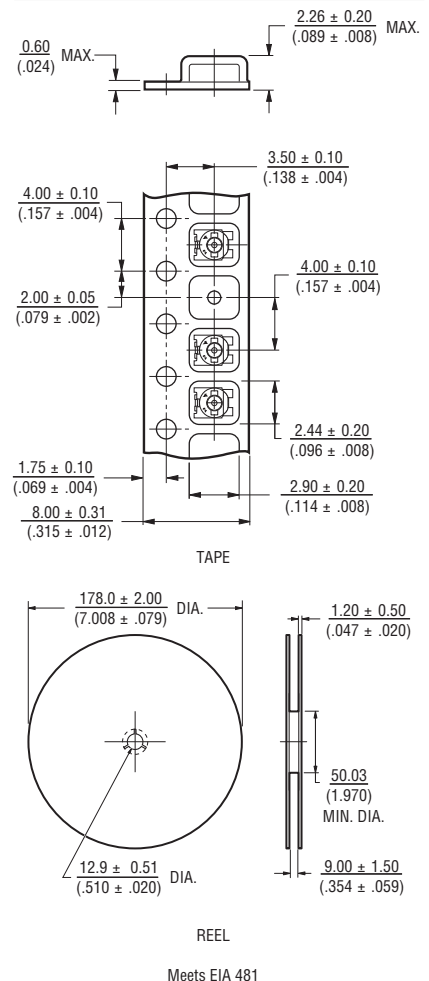
3302W, X-3
3 Terminals for
Automatic Trimming Adjustment
Low Profile



SUGGESTED PWB LAYOUT



Packaging Specifications



Standard Resistance Table

Resistance (Ohms)	Part Marking Code	Resistance Code
200	22	201
500	52	501
1,000	13	102
2,000	23	202
5,000	53	502
10,000	14	103
20,000	24	203
50,000	54	503
100,000	15	104
200,000	25	204
500,000	55	504
1,000,000	16	105

Popular distribution resistance values listed in boldface. Special resistances available.

REV. 04/14

*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:

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[3302X-3-502E](#) [3302X-3-501E](#) [3302W-3-503E](#) [3302W-3-502E](#) [3302W-3-504E](#) [3302W-3-102E](#) [3302W-3-104E](#)
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