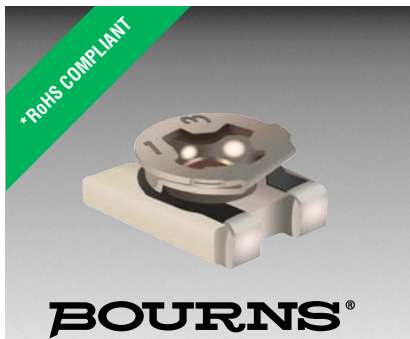




## Features

- 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 ..... ±25 % std.  
Absolute Minimum Resistance  
≤1K..... 20 ohms max.  
>1K..... 5 % max.  
Contact Resistance Variation  
..... 5 % max.  
Resolution ..... Infinite  
Adjustment Angle ..... 260° ±20°

### Environmental Characteristics

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

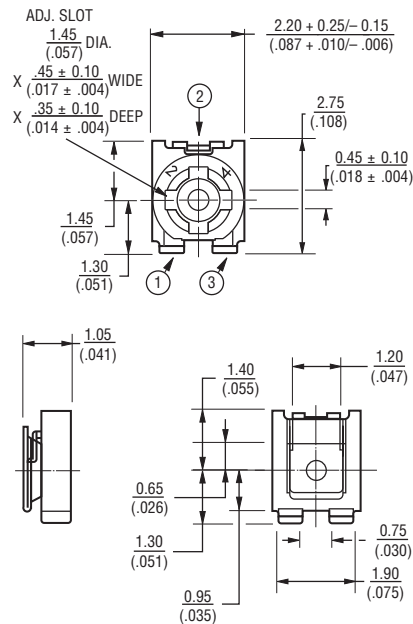
**3302 X - 3 - 103 E**

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 \_\_\_\_\_

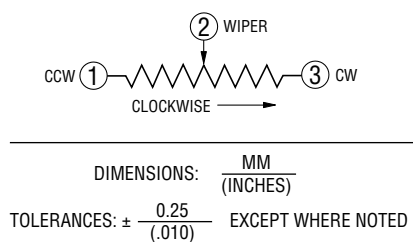
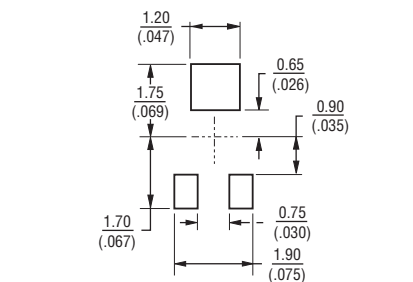
Consult factory for other available options.

### Product Dimensions

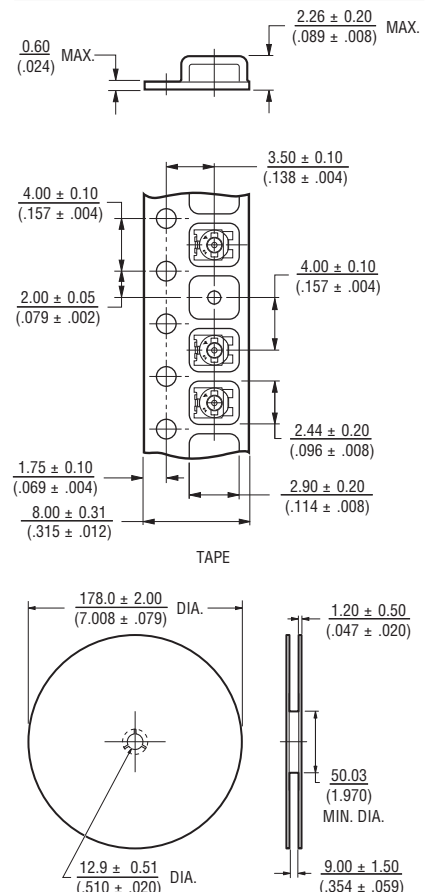
3302W, X-3  
3 Terminals for  
Automatic Trimming Adjustment  
Low Profile



### SUGGESTED PWB LAYOUT



### Packaging Specifications



REEL

Meets EIA 481

### Standard Resistance Table

| Resistance (Ohms) | Part Marking Code | Resistance Code |
|-------------------|-------------------|-----------------|
| 200               | 22                | 201             |
| 500               | 52                | 501             |
| <b>1,000</b>      | <b>13</b>         | <b>102</b>      |
| <b>2,000</b>      | <b>23</b>         | <b>202</b>      |
| <b>5,000</b>      | <b>53</b>         | <b>502</b>      |
| <b>10,000</b>     | <b>14</b>         | <b>103</b>      |
| <b>20,000</b>     | <b>24</b>         | <b>203</b>      |
| 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.