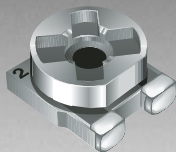


*RoHS COMPLIANT



BOURNS®

Features

- Recommended for reflow processing
- Rotor design compatible with pick and place and automatic adjustment equipment
- Supplied in 8 mm embossed tape, compatible with automatic assembly equipment

- Rear adjust version available
- 3 mm size meets EIA/EIAJ standard trimmer footprint
- RoHS compliant* - see processing information on lead free surface mount trimmers

3303 - 3 mm SMD Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
.....100 ohms to 1 megohm
(see standard resistance table)
Resistance Tolerance±25 % std.
Absolute Minimum Resistance
≤ 1K Ohms.....20 ohms max.
>1K Ohms.....2 % max. of TR
Contact Resistance Variation ..5 % max.
Resolution.....Infinite
Adjustment Angle.....260 ° ±20 °

Environmental Characteristics

Resistance to Soldering Heat
.....260 °C, 10 seconds, TRS max. 5 %
Power Rating (50 VDC max.)
70 °C0.15 watt
Temperature Range
.....-40 °C to +125 °C
Temperature Coefficient
.....±250 ppm/°C
Humidity95 %RH
500 hours
TRS max.±5 %
Load Life
.....@ 70 °C rated power 500 hours
TRS ± 5 %
Rotational Cycling.....20 turns
TRS ±15 %

Physical Characteristics

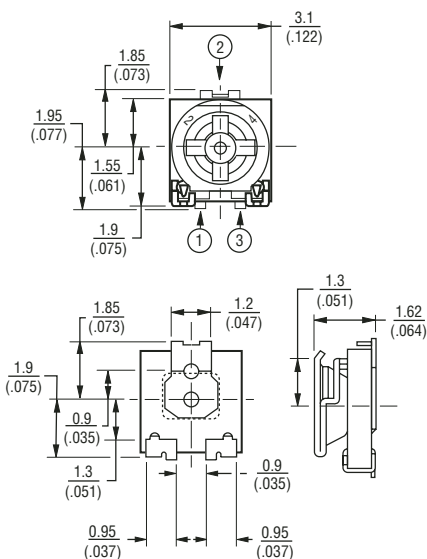
Torque.....20-200 g-cm max.
Mechanical AngleContinuous
Marking.....Part marking code
Standard Packaging
.....2000 pcs./7 " reel
Adjustment ToolH-90

How To Order

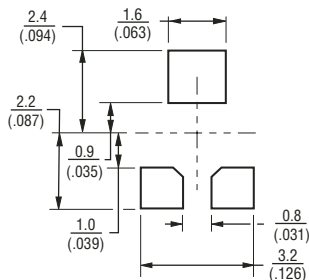
3303 X - 3 - 103 E

Model _____
Style _____
Orientation of Parts In Tape:
• Styles W, C - Terminals Toward Sprocket Holes
• Styles X, D - Terminals Away From Sprocket Holes (preferred)
Standard or Modified _____
Product Indicator
-1 = Single Slot (C, D Pin Styles Only)
-3 = Cross Slot Low Profile (W, X Pin Styles Only)
Resistance Code _____
Embossed Tape Designator _____
Consult factory for other available options.

3303W, X-3
3mm Open Frame
for Reflow Soldering
3-Terminal
Low Profile

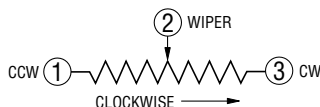


SUGGESTED PWB LAYOUT

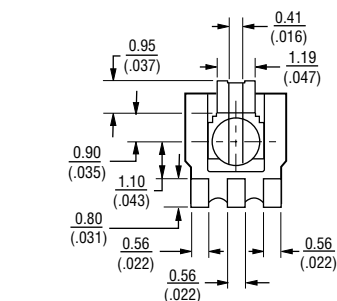
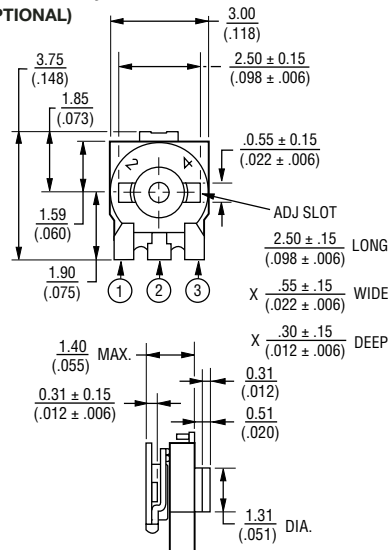


TOLERANCES: ± 0.30 (.012) EXCEPT WHERE NOTED

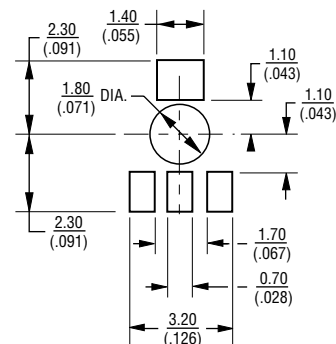
DIMENSIONS ARE: $\frac{\text{MM}}{(\text{INCHES})}$



3303C,D-1
3-Terminal
Both Sides Adjust
(OPTIONAL)



SUGGESTED PWB LAYOUT



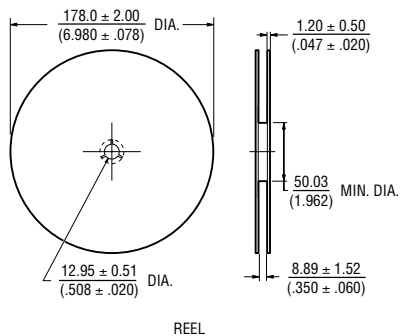
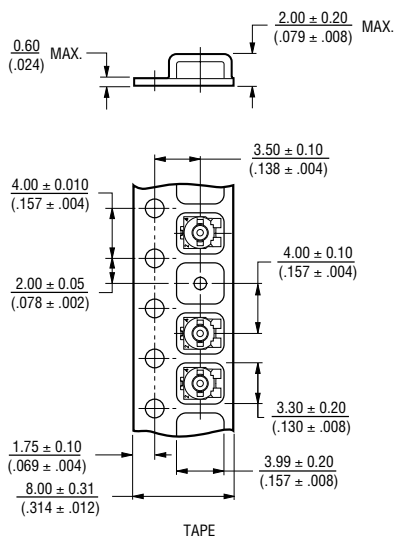
TOLERANCES: ± 0.38 (.015) EXCEPT WHERE NOTED

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

3303 - 3 mm SMD Trimming Potentiometer

BOURNS®

Packaging Specifications



Meets EIA 481

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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

Standard Resistance Table

Resistance (Ohms)	Part Marking Code	Resistance Code
100	12	101
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.