



THE DATASHEET OF 3303W-3-105E





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

3303 - 3 mm SMD Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range100 ohms to 1 megohm
(see standard resistance table)
Resistance Tolerance $\pm 25\%$ std.
Absolute Minimum Resistance
≤ 1K Ohms20 ohms max.
> 1K Ohms2 % max. of TR
Contact Resistance Variation ..5 % max.
ResolutionInfinite
Adjustment Angle $260^\circ \pm 20^\circ$

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 $+125^\circ\text{C}$
Temperature Coefficient
..... ± 250 ppm/ $^\circ\text{C}$
Humidity95 %RH
500 hours
TRS max. $\pm 5\%$
Load Life
.....@ 70°C rated power 500 hours
TRS $\pm 5\%$
Rotational Cycling20 turns
TRS $\pm 15\%$

Physical Characteristics

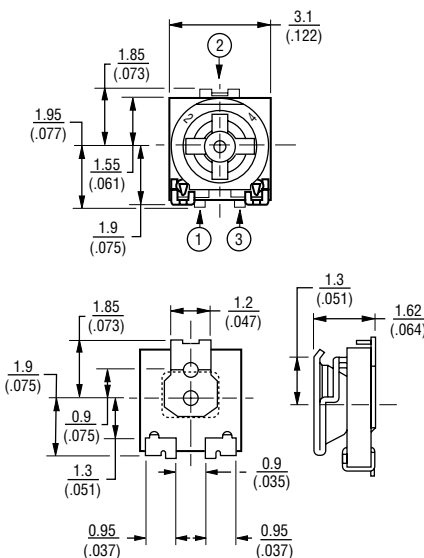
Torque20-200 g-cm max.
Mechanical AngleContinuous
MarkingPart marking code
Standard Packaging
.....2000 pcs./7 " reel
Adjustment ToolH-90

How To Order

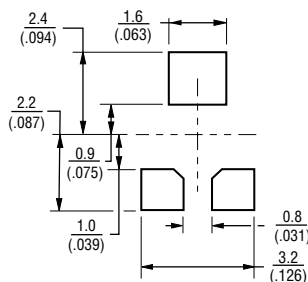
3303 X - 3 - 103 E

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
-3 = *Cross Slot Low Profile (Standard)
-4 = Single Slot Low Profile
Resistance Code _____
Embossed Tape Designator _____
Consult factory for other available options.
*Not available in C and D styles.

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

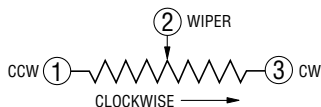


SUGGESTED PWB LAYOUT

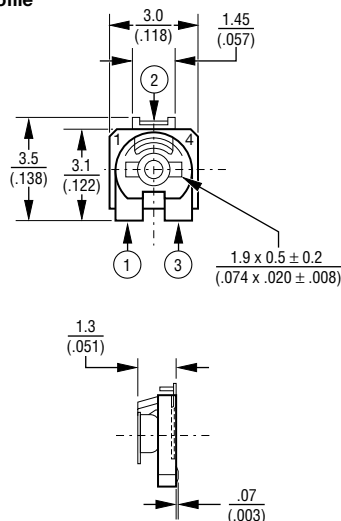


TOLERANCES: ± 0.30 (.012) EXCEPT WHERE NOTED

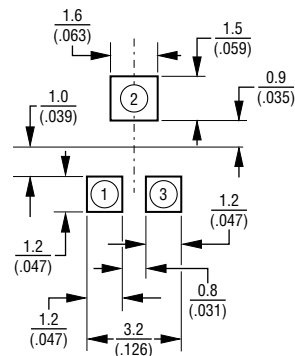
DIMENSIONS ARE: $\frac{\text{MM}}{(\text{INCHES})}$



3303W, X-4
3mm Open Frame
for Reflow Soldering
3-Terminal Single Slot
Low Profile



SUGGESTED PWB LAYOUT



3303 - 3 mm SMD Trimming Potentiometer

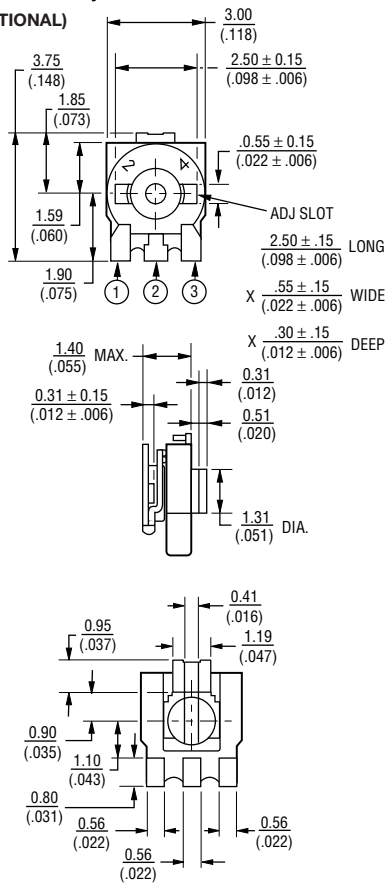
BOURNS®

3303C,D-1

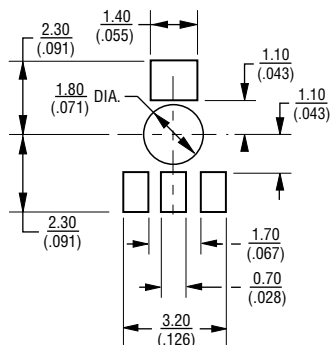
3-Terminal

Both Sides Adjust

(OPTIONAL)



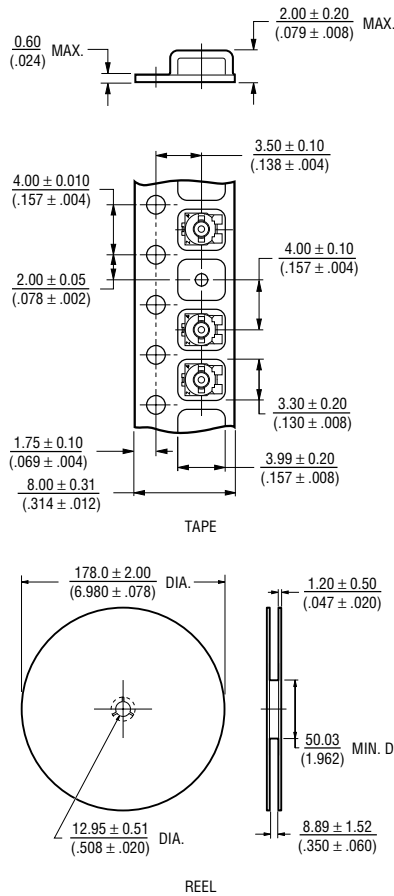
SUGGESTED PWB LAYOUT



TOLERANCES: ± 0.38 (.015) EXCEPT WHERE NOTED

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

Packaging Specifications



Meets EIA 481

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

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 [Bourns Inc.](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management