

Features

- Surface Mount 3 mm Square / Multiturn Cermet / Industrial / Sealed
- Sealed to withstand standard board wash processing
- Pick and place centering design for automated placement compatibility
- Flush adjustment screw

- Meets EIA/EIAJ/IPC/VECI SMD standard trimmer footprint
- Top and side adjust
- RoHS compliant* see processing information on RoHS compliant surface mount trimmers
- For trimmer applications/processing guidelines, click here

3223 - 3 mm SMD Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range 10 ohms to 2 megohms

(see standard resistance table) Resistance Tolerance±20 % std.

Absolute Minimum Resistance

.....1 % or 3 ohms max. (whichever is greater)

Contact Resistance Variation

......3 % or 3 ohms max. (whichever is greater)

Resolution..... Essentially infinite Insulation Resistance 500 VDC 100 megohms min.

Dielectric Strength

Sea Level 600 VAC (1 minute) Adjustment Angle......11 turns nom.

Environmental Characteristics

Power Rating (200 volts max.)

70 °C 0.125 watt 150 °C 0 watt Temperature Range.... -65 °C to +150 °C Temperature Coefficient±100 ppm/°C Seal Test...... 85 °C / 60 seconds Humidity...... MIL-STD-202 Method 106 TRS ±3 %; IR 10 megohms Vibration 20 G TRS ±1 %; VRŠ ±1 %

Shock....... 100 G TRS ±1 %; VRS ±1 % Load Life

...... @ 70 °C rated power 1000 hours CRV.....4 ohms or 4 % (whichever is greater)

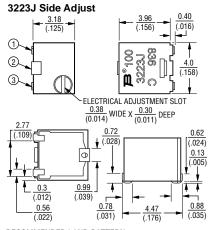
Rotational Cycling......200 cycles CRV.....4 ohms or 4 % (whichever is greater)

Thermal Shock5 cycles

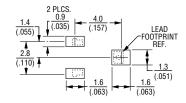
TRS ±2 %; VRS ±2 % ESD Classification.....2

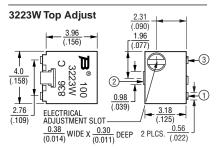
Physical Characteristics
Mechanical StopWiper idles
Torque2.50 oz-in. max
Weight Approximately 0.01 oz.
Marking Manufacturer's code,
resistance code and date code
SolderabilityPer MIL-STD-202,
Method 208
Wiper 50 % (Actual TR) ±10 %
FlammabilityUL94V-0
Adjustment ToolH-92-1

Product Dimensions

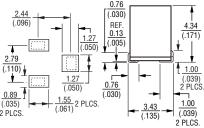


RECOMMENDED LAND PATTERN

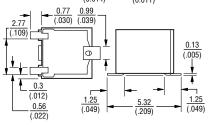




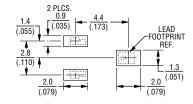
RECOMMENDED LAND PATTERN



3223G Side Adjust (1) 2 ELECTRICAL ADJUSTMENT SLOT $\frac{0.38}{(0.014)}$ WIDE X $\frac{0.30}{(0.011)}$ DEEP

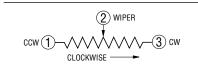


RECOMMENDED LAND PATTERN



MM DIMENSIONS:

TOLERANCES: ± EXCEPT WHERE NOTED



Additional Information

Click these links for more information:













INVENTORY SAMPLES

CONTACT



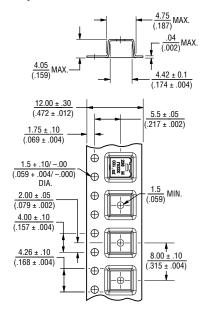
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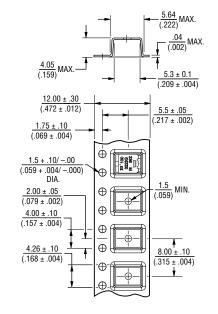
3223 – 3 mm SMD Trimpot® Trimming Potentiometer **BOURNS®**

Packaging Specifications

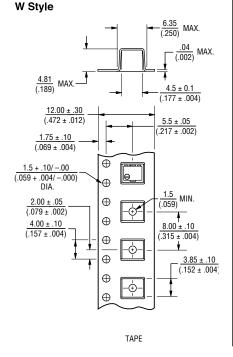
J Style

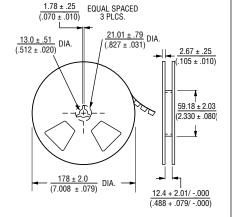


G Style



W 04-1-





REEL

Cover tape peel strength: Meets EIA specification 481.

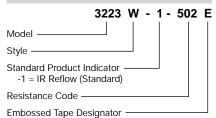
DIMENSIONS: $\frac{MM}{(INCHES)}$

Standard Resistance Table

Resistance	Resistance
(Ohms)	Code
10	100
20	200
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105
2,000,000	205

Popular values listed in **boldface**. Consult factory for special resistances.

How To Order



= 500 fics./7 " Reel (Standard)

Tape and reel material meets Antistatic ANSI/ESD 5541-2003 packaging standards.

BOURNS®

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REV. 06/24

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Users should verify actual device performance in their specific applications.

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