

Features

- Surface Mount 3 mm Square / Multiturn Cermet / Industrial / Sealed
- Sealed to withstand standard board wash processing

3223 – 3 mm SMD Trimpot® Trimming Potentiometer

- 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, <u>click here</u>

Electrical Characteristics

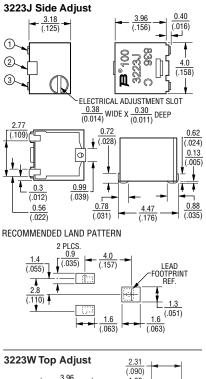
Standard Resistance Range
(see standard resistance table)
Resistance Tolerance±20 % std.
Absolute Minimum Resistance
1 % or 3 ohms max.
(whichever is greater)
Contact Resistance Variation
(whichever is greater)
Resolution Essentially infinite
Insulation Resistance 500 VDC
100 megohms min.
Dielectric Strength
Sea Level
Adjustment Angle 11 turns nom.

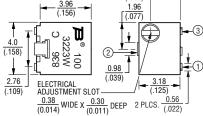
Environmental Characteristics

Power Rating (200 volts max.) 70 °C0.125 watt 150 °C0 watt Temperature Range65 °C to +150 °C Temperature Coefficient±100 ppm/°C Seal Test
TRS ±3 %; IR 10 megohms
Vibration 20 G TRS ±1 %; VRS ±1 %
Shock 100 G TRS ±1 %; VRS ±1 %
Load Life
@ 70 °C rated power 1000 hours CRV4 ohms or 4 % (whichever is greater)
Rotational Cycling200 cycles
CRV4 ohms or 4 %
(whichever is greater)
Thermal Shock5 cycles
TRS ±2 %; VRS ±2 %
ESD Classification
Physical Characteristics

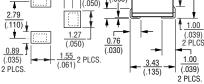
Mechanical Stop	Wiper idles
Torque	2.50 oz-in. max
Weight App	proximately 0.01 oz.
MarkingN	lanufacturer's code,
resistance	code and date code
Solderability	Per MIL-STD-202,
	Method 208
Wiper 50 %	6 (Actual TR) ±10 %
Flammability	UL94V-0
Adjustment Tool	H-92-1

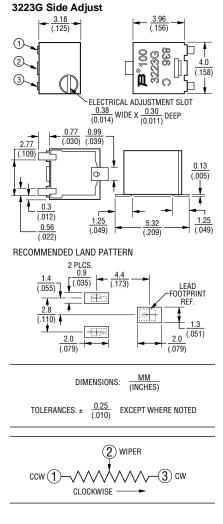
Product Dimensions





RECOMMENDED LAND PATTERN 2.44 (.096) 1.27 (.055) (.055) (.055)





Additional Information

Click these links for more information:





WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov *RoHS Directive 2015/863, Mar. 31, 2015 and Annex "Trimpot" is a registered trademark of Bourns, Inc. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at <u>www.bourns.com/docs/legal/disclaimer.pdf</u>.

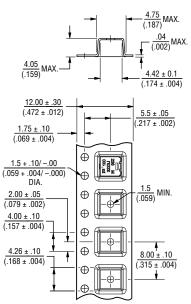
4.34 (.171)

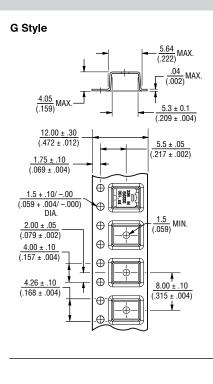
3223 – 3 mm SMD Trimpot[®] Trimming Potentiometer

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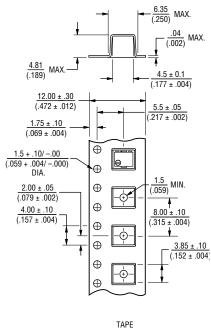
Packaging Specifications

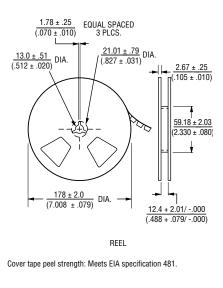
J Style





W Style







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

3223 W - 1 - 502 E	Ξ
Model	
Style	
Standard Product Indicator ———— -1 = IR Reflow (Standard)	
Resistance Code	
Embossed Tape Designator	

= 500 fcs./7 ~ Reel (Standard)

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

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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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