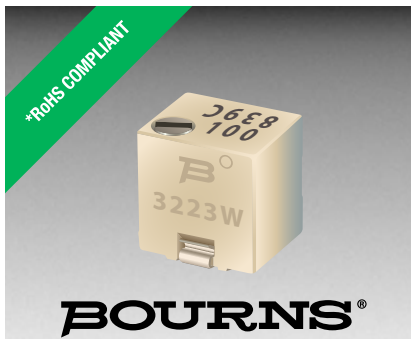




Features

- 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

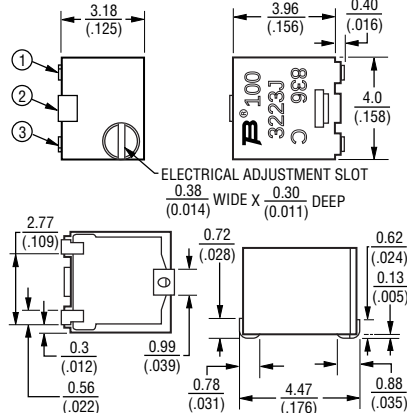
Power Rating (200 volts max.)	70 °C 0.125 watt 150 °C 0 watt
Temperature Range	-65 °C to +150 °C
Temperature Coefficient	±100 ppm/°C
Seal Test	85 °C / 60 seconds
Humidity	MIL-STD-202 Method 106 TRS ±3 %; IR 10 megohms
Vibration	20 G TRS ±1 %; VRS ±1 %
Shock	100 G TRS ±1 %; VRS ±1 %
Load Life	@ 70 °C 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 Shock	5 cycles TRS ±2 %; VRS ±2 %
ESD Classification	2

Physical Characteristics

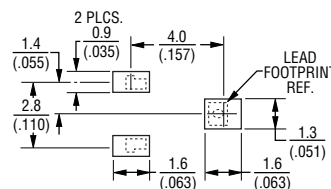
Mechanical Stop	Wiper idles
Torque	2.50 oz-in. max
Weight	Approximately 0.01 oz.
Marking	Manufacturer's code, resistance code and date code
Solderability	Per MIL-STD-202, Method 208
Wiper	50 % (Actual TR) ±10 %
Flammability	UL94V-0
Adjustment Tool	H-92-1

Product Dimensions

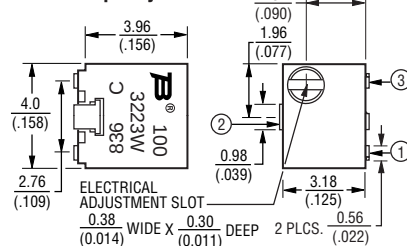
3223J Side Adjust



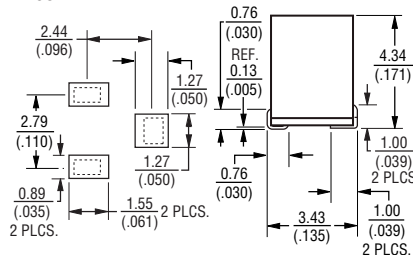
RECOMMENDED LAND PATTERN



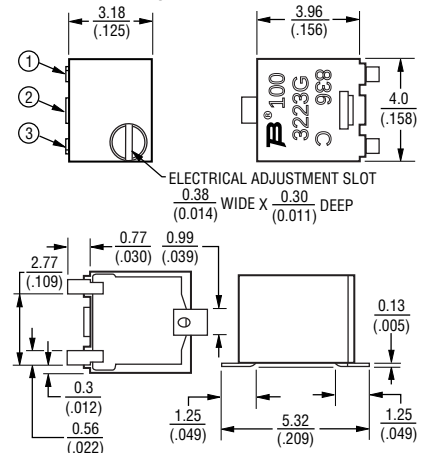
3223W Top Adjust



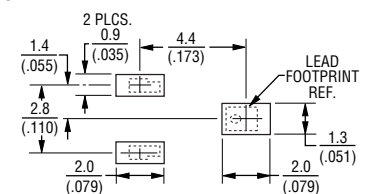
RECOMMENDED LAND PATTERN



3223G Side Adjust

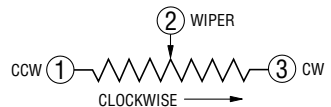


RECOMMENDED LAND PATTERN



DIMENSIONS: MM (INCHES)

TOLERANCES: ± 0.25 (0.010) EXCEPT WHERE NOTED



Additional Information

Click these links for more information:



[PRODUCT SELECTOR](#) [TECHNICAL LIBRARY](#) [INVENTORY](#) [SAMPLES](#) [CONTACT](#)

*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.

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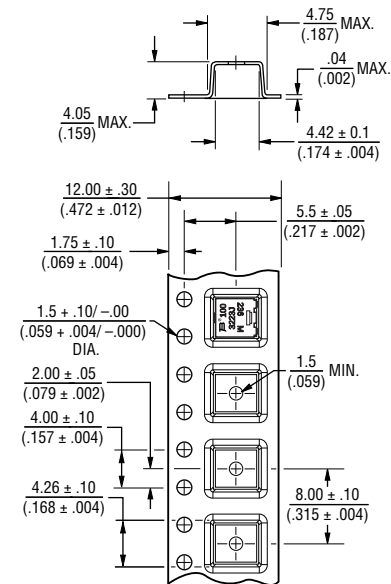
**WARNING Cancer
and Reproductive Harm**
www.P65Warnings.ca.gov

3223 – 3 mm SMD Trimpot® Trimming Potentiometer

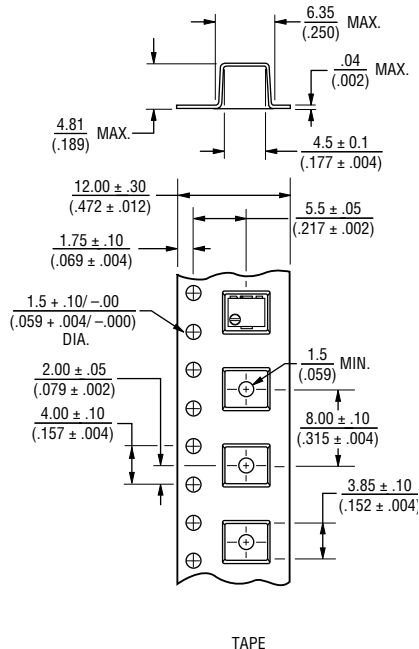
BOURNS®

Packaging Specifications

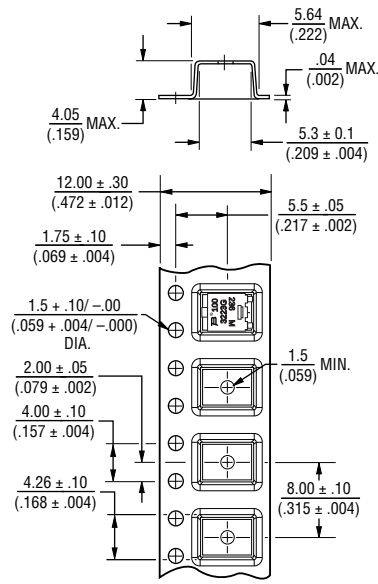
J Style



W Style



G Style



Standard Resistance Table

Resistance (Ohms)	Resistance 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

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.

BOURNS®

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Email: mexicus@bourns.com

Asia: Tel: +886-2-2562-4117

Email: asiacus@bourns.com

EMEA: Tel: +36 88 885 877

Email: eurocus@bourns.com

www.bourns.com

Cover tape peel strength: Meets EIA specification 481.

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

REV. 06/24

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