

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

Product Dimensions

3223J Side Adjust

- 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

0.40

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
(whichever is greater)
Resolution Essentially infinite
Insulation Resistance500 VDC
100 megohms min.
Dielectric Strength
Sea Level 600 VAC (1 minute)
Adjustment Angle11 turns nom.
Environmental Characteristics

Power Rating (200 volts max.)
70 °C 0.125 watt
150 °C0 watt
Temperature Range65 °C to +150 °C
Temperature Coefficient ±100 ppm/°C
Seal Test85 °C Fluorinert [†] /60 seconds
Humidity MIL-STD-202 Method 106
TRS ±3 %; IR 10 megohms
Vibration20 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 Cycling200 cycles
CRV 4 ohms or 4 %
(whichever is greater)
Thermal Shock5 cycles
TRS ±2 %; VRS ±2 %
ESD Classification2

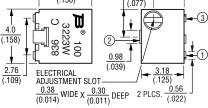
Physical Characteristics

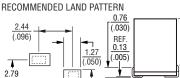
Mechanical Stop	Wiper idles
Torque	
Weight	Approximately 0.01 oz.
Marking	Manufacturer's code,
resistanc	ce code and date code
Solderability	Per MIL-STD-202,
	Method 208
Wiper 50	0 % (Actual TR) ±10 %
Flammability	UL94V-0
Adjustment Tool	H-92-1

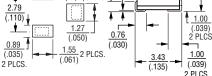


*RoHS Directive 2015/863, Mar 31, 2015 and Annex. +"Fluorinert" is a registered trademark of 3M Co.

3.18 (.016) 1 Č, 2 4.0 (.158)3 ELECTRICAL ADJUSTMENT SLOT $\frac{0.38}{(0.014)}$ WIDE X $\frac{0.30}{(0.011)}$ DEEP 2.77 0.72 0.62 (.109)(.028) (.024) 0.13 Φ (.005) ŧ 0.99 ŧ. 0.3 1 A (.012) (.039)0.78 0.88 0.56 (.031) (.035 (.022) (.176) RECOMMENDED LAND PATTERN 2 PLCS LEAD OOTPRINT REF. (.035) (.157) (.055) **Å** 2.8 (.110) 1.3 ŧ (.051) 1.6 1.6 (.063)(.063) 3223W Top Adjust 2.31 (.090) 1.96 (.156)(.077) Д

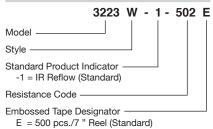






3223G Side Adjust 3.18 3.96 1 2 4.0 (158)3 ۵ ELECTRICAL ADJUSTMENT SLOT $\frac{0.38}{(0.014)}$ WIDE X $\frac{0.30}{(0.011)}$ DEEP <u>0.77</u> <u>0.99</u> (.030) <u>(.039)</u> 2.77 (.109) 0.13 Φ (.005) * 0.3 1.25 (.049) (012)1.25 0.56 (049)(.209) (022) RECOMMENDED LAND PATTERN 2 PLCS 0.9 (.035) (.173) LEAD FOOTPRINT REF. (.055)(.110) 1.3 2.0 (.051) 2.0 (.079) (.079) MM DIMENSIONS: (INCHES) 0.25 TOLERANCES: EXCEPT WHERE NOTED (2) WIPER (**3**) cw ccw(1)

How To Order



CLOCKWISE

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

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

4.34

(.171)

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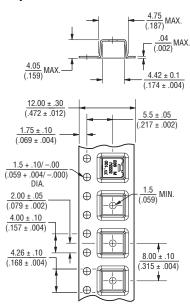
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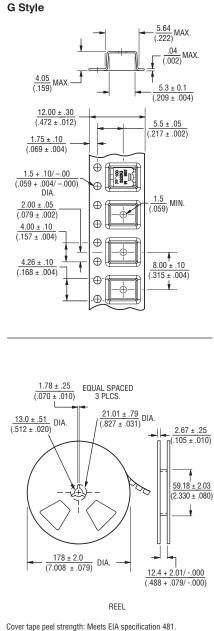
3223 - 3 mm SMD Trimpot® Trimming Potentiometer

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Packaging Specifications





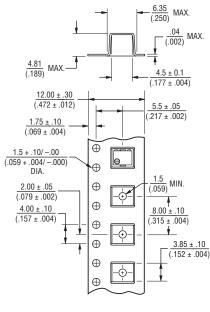


Standard	Resista	ance T	able

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.

W Style



.10 004) Cover tape p

REV. 04/20

"Trimpot" is a registered trademark of Bourns, Inc.

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TAPE

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DIMENSIONS:

MM

(INCHES)

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