

Features

- Surface Mount 4 mm Square / Multiturn Cermet / Industrial / Sealed
- Halogen free** with date code 114
- Sealed to withstand board wash processing
- Pick and place centering design, with flush adjustment
- 4mm design meets EIA/EIAJ/IPC/VECI SMD standard trimmer footprint
- Low CRV 1 %
- RoHS compliant* see processing information on RoHS compliant surface mount trimmers
- For trimmer applications/processing guidelines, click here

3224 – 4 mm SMD Trimpot® Trimming Potentiometer

Additional Information

Click these links for more information:











TECHNICAL LIBRARY

Electrical Characteristics

INVENTORY **SAMPLES**

CONTACT

Standard Resistance Range... 10 to 2 megohm (see standard resistance table) Resistance Tolerance ±10 % std. Absolute Min. Resistance 1 % or 2.0 ohms (whichever is greater) Contact Resistance Variation1 % or 3 ohms max. Resolution.....Essentially Infinite

Insulation Resistance500 VDC 100 megohms min. Dielectric Strength

Sea Level................. 600 VAC (1 minute)

Adjustment Angle...... 12 turns nom.

Environmental Characteristics

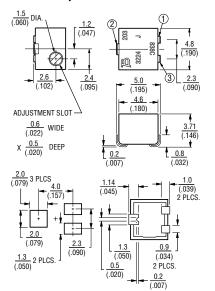
Power Rating (300 volts max.) 150 °C......0 watt Temperature Range.....-65 °C to +150 °C 150 °C..... Temperature Coefficient ±100 ppm/°C Seal Test 85 °C / 60 seconds Humidity MIL-STD 202 Method 106 TRS ±2 %; IR 10 megohms Vibration20 G TRS±1 %; VRS ±1 % Shock......100 G TRS ±1 %; VRS±1 % Load Life..... @ 85 °C rated power 1,000 hours TRS3 ohms or 3 % (whichever is greater) Rotational Cycling...... 200 cycles TRS3 ohms or 3 % (whichever is greater) Thermal Shock TRS±2 %; VRS±1 % Moisture Sensitivity LevelN/A

Physical Characteristics

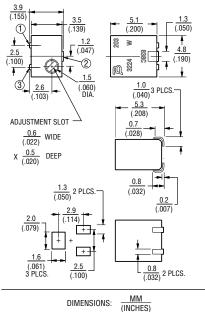
i ilysicai oliaiacteristics	
Mechanical Stop	
Torque	180 g-cm max.
WeightApp	roximately 0.01 oz.
MarkingM	
resistance o	code and date code
Solderability	
	Method 208
Wiper50 %	
Flammability	UL94V0
Pushover Strength	
J, G	4.4 lbs.
W, X	1 lb.
Adjustment Tool	H-91
Storage Condition	
40 °C max	x. / 70 % R.H. max.

Product Dimensions

3224J Side Adjust

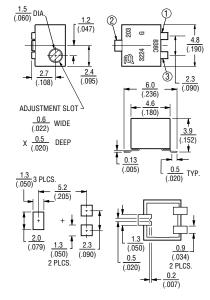


3224W Top Adjust

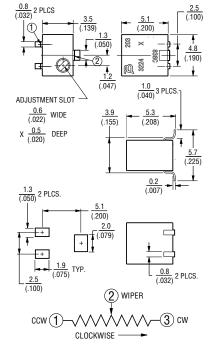


TOLERANCES: ± EXCEPT WHERE NOTED

3224G Side Adjust



3224X Top Adjust



- RoHS Directive 2015/863, Mar. 31, 2015 and Annex
- Bourns follows the prevailing definition of "halogen free" in the industry. Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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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 www.bourns.com/docs/legal/disclaimer.pdf.

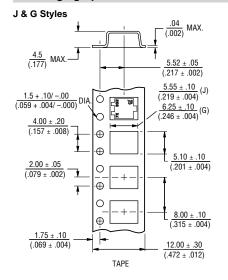


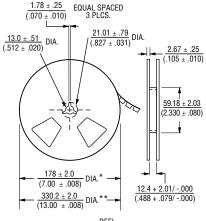
Additional Features

- Top and side adjust styles
- J-hook, and gull-wing

3224 – 4 mm SMD Trimpot® Trimming Potentiometer

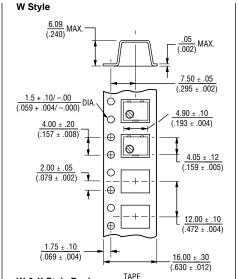
Packaging Specifications

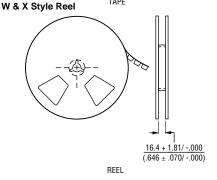




* Embossed Tape Designator "E" **Embossed Tape Designator "G" (See How To Order chart for further information.)

Cover tape peel strength: Meets EIA specification 481





* Embossed Tape Designator "E" *Embossed Tape Designator "G" (See How To Order chart for further information.)

Cover tape peel strength: Meets EIA specification 481.

MM DIMENSIONS: (INCHES)

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

REV. 07/24

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

Popular distribution values listed in boldface. Special resistances available.

X Style (.250) .35 (.014) MAX (.295) 1.5 + .10/ -.00 (.059 + .004/ -.000) DIA Ò 6.70 (.157)-Ф (.264)

-Ф

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12 00

(.472)

(.069) (.339)16.0 ± 0.30 $(.630 \pm .012)$ TAPE

3224 J-1-502 E Model Style Standard or Modified Product Indicator -1= IR Reflow (standard) †-2= Wave Solderable -FW5= $.070 \text{ }^{\prime\prime} \pm .010 \text{ }^{\prime\prime}$ Shaft Extension Resistance Code

Embossed Tape Designator

How To Order

- E = Style J, G: 500 pcs./7 " reel (standard) Style W: 250 pcs./7 " reel (standard) Style X: 200 pcs./7 " reel (standard)
- G = Style J, G: 1500 pcs./13 "reel (standard) Style W: 1000 pcs./13 " reel (standard) Style X: 850 pcs./13 " reel (standard)

Blank = Style J, G: 1500 pcs./13 " reel (FW5) Style W, X: 600 pcs./13 " reel (FW5)

Consult factory for other available options. t -2 has a treated stainless steel shaft.

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

BOURNS

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