

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
- 4 mm design meets EIA/EIAJ/IPC/VECI SMD standard trimmer footprint
- RoHS compliant* see processing information on RoHS compliant surface mount trimmers
- For trimmer applications/processing quidelines, click here

3214 - 5-Turn Trimpot® Trimming Potentiometer

Additional Information

Click these links for more information:











TECHNICAL LIBRARY

INVENTORY **SAMPLES**

CONTACT

Electrical Characteristics

Standard Resistance Range 10 ohms to 2 megohms (see standard resistance table) Resistance Tolerance±10 % std. Absolute Minimum Resistance

... 1 % or 2.0 ohms (whichever is greater) Contact Resistance Variation3 % or 3 ohms max.

Resolution..... Essentially Infinite Insulation Resistance500 VDC 100 megohms min. Dielectric Strength Sea Level 600 VAC (1 minute) Adjustment Angle...... 5 turns nom.

Environmental Characteristics

Power Rating (300 volts max.) 85 °C 0.25 watt Temperature Coefficient±100 ppm/°C Seal Test...... 85 °C/60 seconds Humidity..... MIL-STD 202 Method 106 TRS ±2 %; IR 10 megohms
Vibration 20 G TRS±1 %; VRS ±1 % Shock...... 100 G TRS ±1 %; VRS±1 % @ 85 °C rated power 1,000 hours TRS 3 ohms or 3 % (whichever is greater Rotational Cycling......200 cycles TRS 3 ohms or 3 % (whichever is greater) Thermal Shock5 cycles TRS ±2 %; VRS ±1 % Moisture Sensitivity Level.....1

Physical Characteristics

Mechanical Stop Wiper idles 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 % FlammabilityUL94V0 Pushover Strength J. G 4.4 lbs. Ŵ, X1 lb.

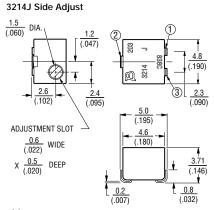
ESD Classification2

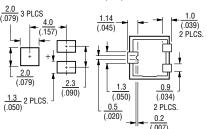
TOLERANCES: ± EXCEPT WHERE NOTED

Adjustment Tool H-91

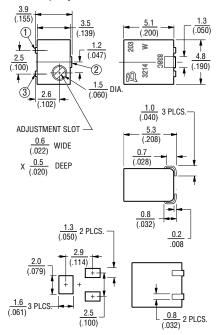
WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

Product Dimensions

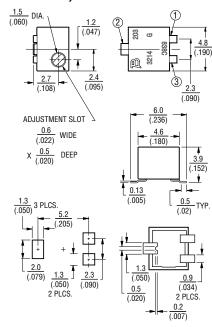




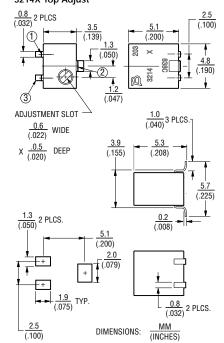
3214W Top Adjust



3214G Side Adjust



3214X 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.

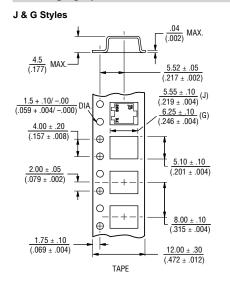
"Trimpot" is a trademark of Bourns, Inc.

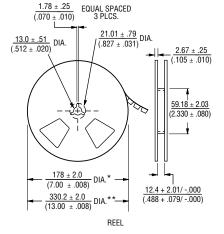
Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The

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Packaging Specifications

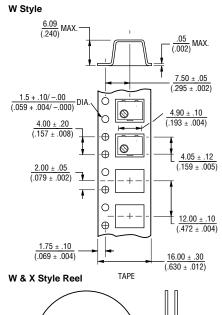


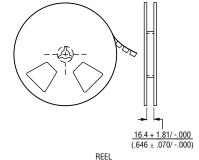


REV. 06/24

Cover tape peel strength: Meets EIA specification 481.

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





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

Cover tape peel strength: Meets EIA specification 481.

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

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

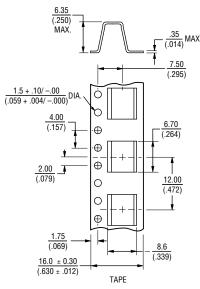
Popular distribution values listed in boldface. Special resistances available.

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X Style



How To Order

3214 J-1-502 E Model Style Standard or Modified **Product Indicator** -1 = IR Reflow (standard) †-2 = Wave Solderable -FW5 = .070 " ± .010 " Shaft Extension Resistance Code -

Embossed Tape Designator

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

Consult factory for other available options.

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

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