

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 guidelines, click here

3214 - 5-Turn Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 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)

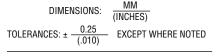
Adjustment Angle5 turns nom.

Environmental Characteristics Power Rating (300 volts max.) 85 °C0.25 watt 150 °C 0 watt Temperature Range -65 °C to +150 °C Temperature Coefficient ±100 ppm/°C Seal Test 85 °C Fluorinert 1/60 seconds Humidity MIL-STD 202 Method 106 TRS ±2 %; IR 10 megohms Vibration20 G TRS±1 %; VRS ±1 % Shock100 G TRS ±1 %; VRS±1 % Load Life@ 85 °C rated power 1,000 hours TRS 3 ohms or 3 % (whichever is greater Rotational Cycling200 cycles TRS 3 ohms or 3 % (whichever is greater) Thermal Shock5 cycles TRS ±2 %; VRS ±1 % Moisture Sensitivity Level.....1 ESD Classification2

Physical Characteristics

Weight	Torque	180 g-cm max.
resistance code and date code SolderabilityPer MIL-STD-202 Method 208 Wiper50 % (Actual TR) ±10 % FlammabilityUL94V0 Pushover Strength J, G4.4 lbs. W, X1 lb.	Weight	Approximately 0.01 oz
SolderabilityPer MIL-STD-202. Method 208 Wiper50 % (Actual TR) ±10 % FlammabilityUL94VC Pushover Strength J, G4.4 lbs. W, X1 lb.	Marking	Manufacturer's code
Method 208 Wiper	res	sistance code and date code
Wiper	Solderability	Per MIL-STD-202,
Flammability	•	Method 208
Pushover Strength J, G	Wiper	50 % (Actual TR) ±10 %
Pushover Strength J, G	Flammability	ÚL94V0
W, X1 lb.		
Adjustment ToolH-91	W, X	1 lb.

Mechanical StopWiper idles

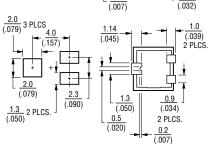




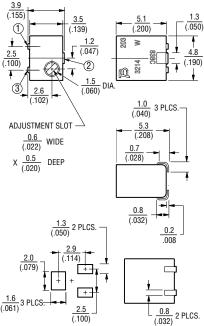


Product Dimensions

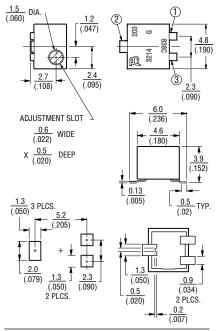
3214J Side Adjust $\frac{1.5}{(.060)}$ DIA. (190)5.0 (.195) ADJUSTMENT SLOT 4.6 0.6 (.022) (.180)DEEP 0.2



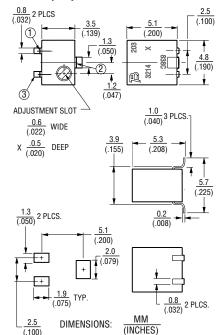
3214W Top Adjust



3214G Side Adjust



3214X Top Adjust

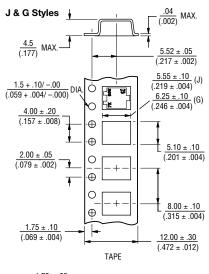


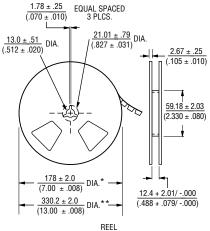
* RoHS Directive 2015/863, Mar. 31, 2015 and Annex
**Bourns follows the prevailing definition of "halogen free" in the industry. Bourns considers a product to be "halogen free" if (a) the Bromine (Br.) content is 900 ppm or less; (b) the Chlorine (CI) content is 900 ppm or less; and (c) the total Bromine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

(Cl) content is 1500 ppm or less.
"Trimpot" is a trademark of Bourns, Inc. _ †"Fluorinert" is a registered trademark of 3M Co.
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

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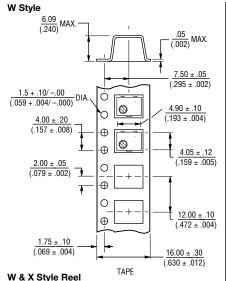
Packaging Specifications

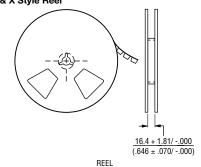




- * Embossed Tape Designator "E"
- **Embossed Tape Designator "G" (See How To Order chart for further information.)

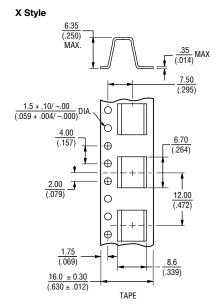
Cover tape peel strength: Meets EIA specification 481.

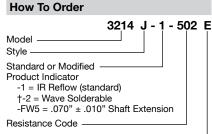




- * Embossed Tape Designator "E" **Embossed Tape Designator "G"
- (See How To Order chart for further information.)

Cover tape peel strength: Meets EIA specification 481.





Embossed Tape Designator

- TIDOSSEG 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 Y: 850 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.

† -2 has a treated stainless steel shaft Tape and reel material meets Antistatic ANSI/

ESD 5541-2003 packaging standards.

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	Resistance
(Ohms)	Code
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 distribution values listed in boldface. Special resistances available.

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3214J-2-503E 3214X-2-503E 3214W-1-253E 3214W-1-250E 3214J-2-202E 3214W-2-204E 3214G-1-500E 3214J-1-501E 3214W-1-500E 3214J-1-500E 3214W-1-502G 3214X-1-500E 3214X-1-501E 3214W-1-502E 3214G-1-504E 3214W-1-504G 3214G-1-502E 3214J-1-502E 3214W-1-504E 3214X-1-502E 3214X-1-504E 3214X-2-203E 3214X-2-204E 3214X-2-204E 3214X-2-205E 3214W-2-203E 3214W-2-203E 3214W-2-201E 3214X-2-201E 3214X-2-202E 3214W-2-502E 3214W-2-502E 3214W-1-102G 3214W-1-501G 3214G-1-205E 3214W-1-223E 3214J-2-102E 3214X-2-102E 3214W-2-102E 3214X-2-502E 3214W-1-100E 3214J-1-104E 3214J-1-104E 3214J-1-104E 3214J-1-104E 3214J-1-104E 3214J-1-104E 3214J-1-104E 3214J-1-104E 3214J-1-104E 3214W-1-104E 3214J-1-104E 3214W-1-105E 3214W-1-105E 3214W-1-105E 3214W-1-105E 3214W-1-105E 3214W-1-105E 3214W-1-101E 3214J-1-104E 3214J-1-104E 3214J-1-104E 3214J-1-104E 3214J-1-104E 3214J-1-104E 3214W-1-104E 3214W-1-204E 3214W