

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 Resistance1 % 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.) 150 °C 0 watt Temperature Range -65 °C to +150 °C Temperature Coefficient ±100 ppm/°C 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)200 cycles TRS 3 ohms or 3 % Rotational Cycling (whichever is greater) Thermal Shock5 cycles

Physical Characteristics

Mechanical StopWiper idles Torque......180 g-cm max. WeightApproximately 0.01 oz. Marking......Manufacturer's code, resistance code and date code Solderability.....Per MIL-STD-202, Method 208 50 % (Actual TR) ±10 % FlammabilityÚL94V0 Pushover Strength Ŵ, X......1 lb. Adjustment Tool......H-91

TRS ±2 %; VRS ±1 %

How To Order

3214 J - 1 - 502 E Model Style Standard or Modified †-2 = Wave Solderable -FW5 = .070" ± .010" Shaft Extension Resistance Code

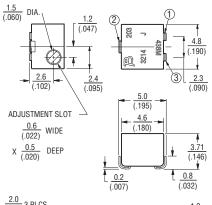
- mbossed Tape Designator

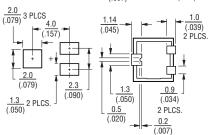
 E = Style J, G: 500 pcs./7 " reel (standard)
 Style W: 250 pcs./7 " reel (standard)
 Style X: 200 pcs./7 " reel (standard)
 Style X: 200 pcs./13 " reel (standard)
 Style W: 1000 pcs./13 " reel (standard)
 Style X: 850 pcs./13 " reel (standard)
 Style X: 850 pcs./13 " reel (FW5)
 Style W, X: 600 pcs./13 " reel (FW5) **Embossed Tape Designator**

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

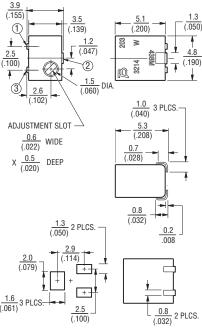
Product Dimensions

3214J Side Adjust

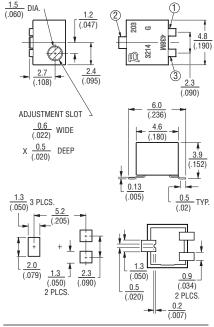




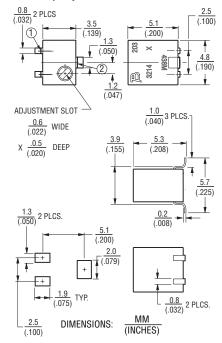
3214W Top Adjust



3214G Side Adjust



3214X Top Adjust



*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.

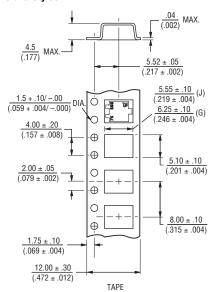
**Bourns follows the prevailing definition of "halogen free" in the industry. Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (CI) content is 1500 ppm or less. Specifications are subject to change without notice.

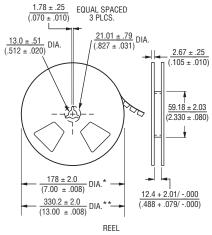
Customers should verify actual device performance in their specific applications.

3214 - Packaging Specifications

BOURNS

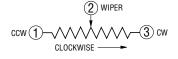
J & G Styles



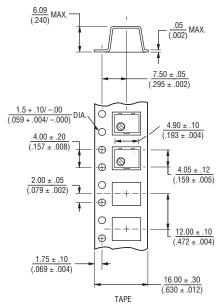


- * Embossed Tape Designator "E"
- **Embossed Tape Designator "G"
 (See How To Order chart for further information.)

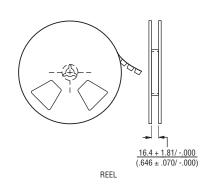
Cover tape peel strength: Meets EIA specification 481.



W Style



W & X Style Reel

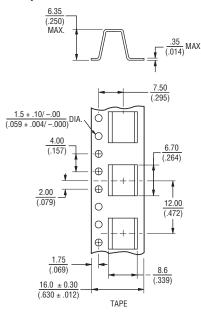


- * Embossed Tape Designator "E"
- **Embossed Tape Designator "G" (See How To Order chart for further information.)

Cover tape peel strength: Meets EIA specification 481.

DIMENSIONS:	MM (INCHES)
TOLERANCES: ± (.010)	EXCEPT WHERE NOTED

X Style



Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20 50	200 500
100	101
200	201
500	501
1,000	102
2,000 5,000	202 502
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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