

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

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 100 megohms min. Dielectric Strength Sea Level 600 vac (1 minute)

Adjustment Angle5 turns nom.

Environmental Characteristics

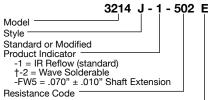
Power Rating (300 volts max.) 85 °C 0.25 watt 150 °C 0 watt Temperature Range -65 °C to +150 °C Temperature Coefficient ±100 ppm/°C Seal Test 85 °C Fluorinert 1/60 seconds Humidity MIL-STD 202 Method 106 TRS ±2 %; IR 10 megohms Vibration20 G TRS±1 %; VRS ±1 % Shock100 G TRS ±1 %; VRS±1 % Load Life@ 85 °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)5 cycles Thermal Shock ... TRS ±2 %; VRS ±1 %

Physical Characteristics

Mechanical Stop	Wiper idles
	180 g-cm max.
Weight	Approximately 0.01 oz.
	.Manufacturer's code,
	e code and date code
Solderability	Per MIL-STD-202,
	Method 208
Wiper 50	% (Actual TR) ±10 %
	UL94V0
Pushover Strength	
J, G	4.4 lbs.
W, X	1 lb.
Adjustment Tool	H-91

How To Order



Embossed Tape Designator

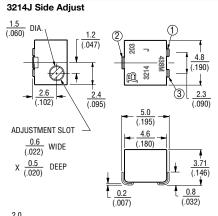
- mbossed Tape Designator

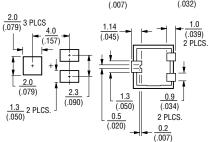
 E = Style J, G: 500 pcs./7 " reel (standard)
 Style W: 250 pcs./7 " reel (standard)
 Style X: 200 pcs./7 " reel (standard)
 G = Style J, G: 1500 pcs./13 " reel (standard)
 Style W: 1000 pcs./13 " reel (standard)
 Style X: 850 pcs./13 " reel (standard)
 G = Style J, G: 1500 pcs./13 " reel (FW5)
 Style W, X: 600 pcs./13 " reel (FW5)
 onsult factory for other available options

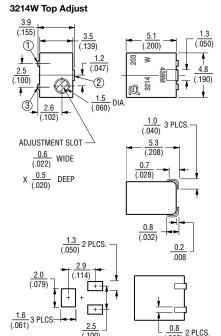
Consult factory for other available options. † -2 has a treated stainless steel shaft Tape and reel material meets Antistatic ANSI/

ESD 5541-2003 packaging standards.

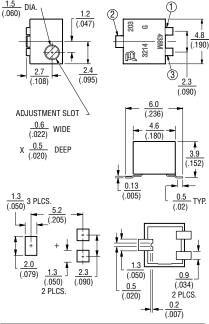
Product Dimensions



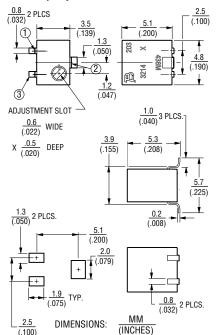




3214G Side Adjust



3214X Top Adjust



*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

**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 (CI) content is 1500 ppm or less.

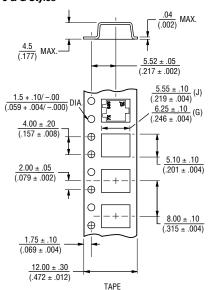
1"Fluorinert" is a registered trademark of 3M Co.

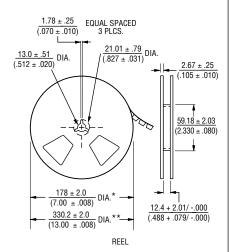
Specifications are subject to change without notice. The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

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Packaging Specifications

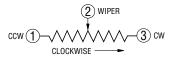
J & G Styles



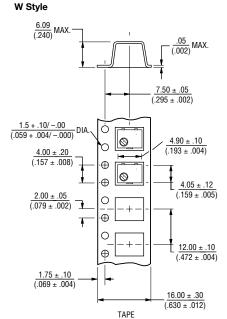


- * Embossed Tape Designator "E"
- **Embossed Tape Designator "G" (See How To Order chart for further information.)

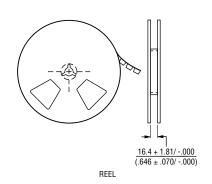
Cover tape peel strength: Meets EIA specification 481.



REV. 12/16



W & X Style Reel

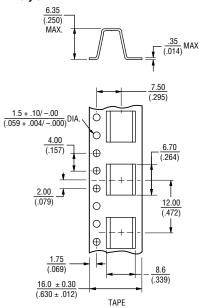


- Embossed Tape Designator "E"
- **Embossed Tape Designator "G" (See How To Order chart for further information.)

Cover tape peel strength: Meets EIA specification 481.

DIMENSIONS:	MM (INCHES)
TOLERANCES: $\pm \frac{0.25}{(.010)}$	EXCEPT WHERE NOTED

X Style



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
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.