

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

Additional Information

Click these links for more information:

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PRODUCT SELECTOR	TECHNICAL LIBRARY	INVENTORY	<u>SAMPLES</u>	<u>CONTACT</u>

Electrical Characteristics

Electrical Characteristics		
Standard Resistance Range 		
Resistance Tolerance±10 % std. Absolute Minimum Resistance 1 % or 2.0 ohms (whichever is greater)		
Contact Resistance Variation 		
Resolution Essentially Infinite Insulation Resistance		
Dielectric Strength Sea Level 600 VAC (1 minute)		
Adjustment Angle		
Environmental Characteristics		
$\begin{array}{c} \mbox{Power Rating (300 volts max.)} \\ 85 \ ^{\circ}C \ & 0.25 \ ^{\circ}watt \\ 150 \ ^{\circ}C \ & 0 \ ^{\circ}watt \\ \mbox{Temperature Range} \ & -65 \ ^{\circ}C \ to +150 \ ^{\circ}C \\ \mbox{Temperature Coefficient} \ & \pm100 \ pm/^{\circ}C \\ \mbox{Seal Test} \ & 85 \ ^{\circ}C/60 \ seconds \\ \mbox{Humidity} \ & MIL-STD \ 202 \ Method \ 106 \\ \ TRS \ \pm2 \ ^{\circ}, \ IR \ 10 \ megohms \\ \ Vibration \ & 20 \ G \ TRS \ \pm1 \ ^{\circ}, \ VRS \ \pm1 \ ^{\circ} \\ \ Shock \ & 100 \ G \ TRS \ \pm1 \ ^{\circ}, \ VRS \ \pm1 \ ^{\circ} \\ \ Load \ Life \ & \dots \ & 00 \ G \ TRS \ \pm1 \ ^{\circ}, \ VRS \ \pm1 \ ^{\circ} \\ \ Load \ Life \ & \dots \ & 00 \ G \ TRS \ \pm1 \ ^{\circ}, \ VRS \ \pm1 \ ^{\circ} \\ \ TRS \ 3 \ ohms \ or \ 3 \ ^{\circ} \ (whichever \ is \ greater \\ \ Rotational \ Cycling \ & 200 \ cycles \\ \ \ TRS \ 3 \ ohms \ or \ 3 \ ^{\circ} \ (whichever \ is \ greater \\ \ \ TRS \ 3 \ ohms \ or \ 3 \ ^{\circ} \ (whichever \ is \ greater \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $		
ESD Classification2		
Physical Characteristics		

Physical Cl	haracteristics
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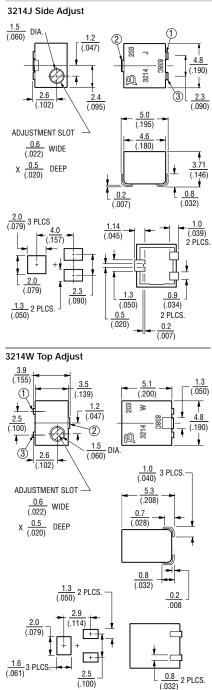
Mechanical Stop	
Torque	180 g-cm max.
Weight App	proximately 0.01 oz.
Marking	lanufacturer's code,
	code and date code
Solderability	Per MIL-STD-202,
2	Method 208
Wiper 50 %	6 (Actual TR) ±10 %
Flammability	
Pushover Strength	
J, G	4.4 lbs.
W, X	1 lb.
Adjustment Tool	H-91

0.25 (.010) TOLERANCES: ± EXCEPT WHERE NOTED



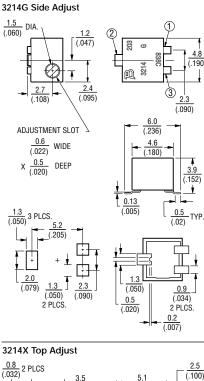
WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

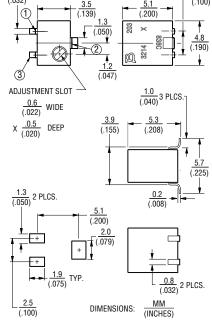
Product Dimensions



* 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 service is devided by the total and the device of the device

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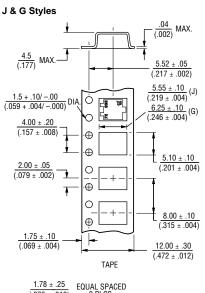


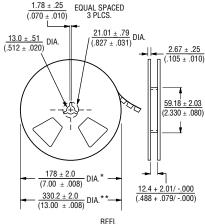


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Packaging Specifications





* Embossed Tape Designator "E"

**Embossed Tape Designator "G"

(See How To Order chart for further information.)

Cover tape peel strength: Meets EIA specification 481.

Standard Resistance Table

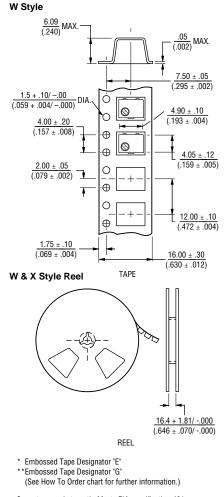
Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	101
200	201
500	501
1,000	102
2,000	202

REV. 06/24

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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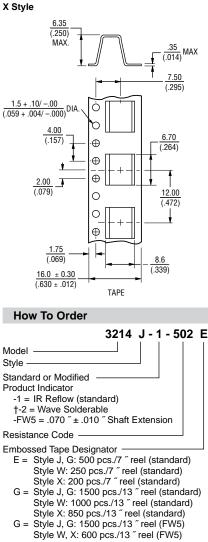


Cover tape peel strength: Meets EIA specification 481.

MM DIMENSIONS: (INCHES)

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.



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.

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Americas: Tel: +1 951-781-5500 Email: americus@bourns.com Mexico: Tel: +52-614-478-0400 Email: mexicus@bourns.com Asia: Tel: +886-2-2562-4117 Email: asiacus@bourns.com EMEA: Tel: +36 88 885 877 Email: eurocus@bourns.com www.bourns.com

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