

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
- 4mm design meets EIA/EIAJ/IPC/VECI SMD standard trimmer footprint
- Low CRV 1 %
- RoHS compliant* see processing information on RoHS compliant surface mount trimmers
- For trimmer applications/processing guidelines, click here

3224 - 4 mm SMD Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range .. 10 to 2 megohm (see standard resistance table) Resistance Tolerance±10 % std. Absolute Minimum Resistance1 % or 2.0 ohms (whichever is greater) Contact Resistance Variation1 % or 3 ohms max. Resolution Essentially Infinite500 vdc. Insulation Resistance 100 megohms min. Dielectric Strength

Environmental Characteristics Power Rating (300 volts max.) 85 °C..... HumidityMIL-STD 202 Method 106 TRS ±2 %; IR 10 megohms ...3 ohms or 3 % (whichever is greater) Rotational Cycling 200 cycles3 ohms or 3 % (whichever is greater)5 cycles TRS±2 %; VRS±1 % Thermal Shock

Physical Characteristics

	Wiper idles 180 g-cm max.
	Approximately 0.01 oz.
	Manufacturer's code,
	Manufacturer's code,
Solderability	Per MIL-STD-202,
	Method 208
	50 % (Actual TR) ±10 %
	UL94V0
Pushover Strength	
	4.4 lbs.
	1 lb.
Adjustment Tool	H_01

How To Order

3224 J - 1 - 5	02 E
Model —	1 1
Style	
Standard or Modified Product Indicator -1= IR Reflow (standard) †-2= Wave Solderable -FW5= .070 " ± .010 " Shaft Extension	
Resistance Code —]

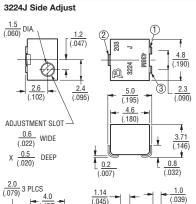
Embossed Tape Designator -

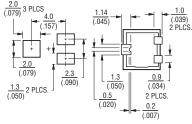
- hbossed Tape Designator

 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)
 ank = 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

Product Dimensions





1 139) 203 (.047) 100) 2 \mathbf{T} 1.5 DIA

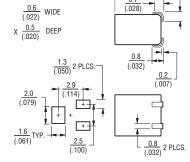
1.0

5.3

(.208)

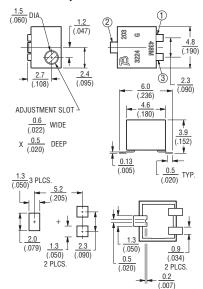
3224W Top Adjust

ADJUSTMENT SLOT

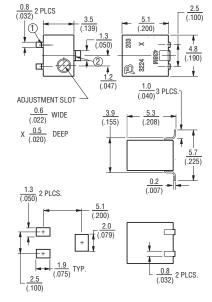


DIMENSIONS: (INCHES)

3224G Side Adjust



3224X 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 (Cl) content is 1500 ppm or less. †"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.

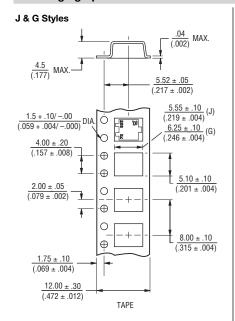
Users should verify actual device performance in their specific applications.

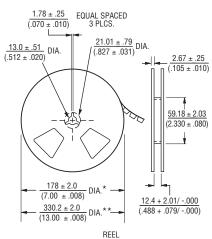
Additional Features

- Top and side adjust styles
- J-hook, and gull-wing

3224 - 4 mm SMD Trimpot® Trimming Potentiometer **BOURNS**®

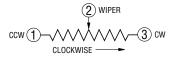
Packaging Specifications

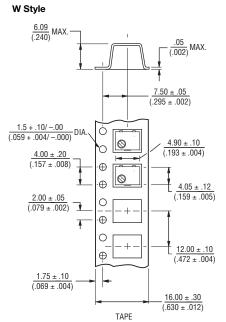




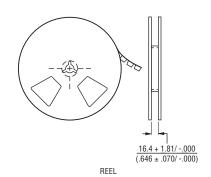
- * Embossed Tape Designator "E"
- **Embossed Tape Designator "G"
 (See How To Order chart for further information.)

Cover tape peel strength: Meets EIA specification 481.





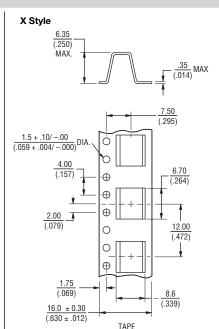
W & X Style Reel



- * 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: ± 0.25 (.010)	EXCEPT WHERE NOTED



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.

REV. 08/14

[&]quot;Trimpot" is a registered trademark of Bourns, Inc. Specifications are subject to change without notice.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

3224W-2-504E 3224J-2-504E 3224J-2-501E 3224W-2-501E 3224W-2-503E 3224W-2-502E 3224G-2-502E

3224X-2-502E 3224J-2-503E 3224X-2-502G 3224G-2-501E 3224W-2-503E 3224W-2-501E 3224J-2-201E 3224W-2-501E 3224X-1-103E 3224X-1-103E 3224X-1-103E 3224X-1-103E 3224X-1-103E 3224X-1-103E 3224X-1-101E 3224X-1-101E 3224X-1-102E 3224X-1-101E 3224X-1-101E 3224X-1-102E 3224X-1-101E 3224X-1-102E 3224X-1-103E 3224W-1-103E 3224