

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 Resistance Tolerance±10 % std. Absolute Minimum Resistance1 % or 2.0 ohms (whichever is greater) Contact Resistance Variation1 % or 3 ohms max. Resolution Essentially Infinite Insulation Resistance500 vdc. 100 megohms min. Dielectric Strength

Environmental Characteristics Power Rating (300 volts max.) TRS ±2 %; IR 10 megohms3 ohms or 3 % (whichever is greater) **Rotational Cycling** 200 cycles TRS......3 ohms or 3 % (whichever is greater) Thermal Shock 5 cycles TRS±2 %; VRS±1 %

Physical Characteristics

Mechanical Stop	Wiper idles
	180 g-cm max.
	.Approximately 0.01 oz.
Marking	Manufacturer's code,
resistar	ice code and date code
Solderability	Per MIL-STD-202,
,	Method 208
Wiper5	50 % (Actual TR) ±10 %
Flammability	ÚL94V0
Pushover Strength	
J, G	4.4 lbs.
Ŵ, X	4.4 lbs. 1 lb.
	H-91

How To Order

3224 J - 1 - 502 E Model Style Standard or Modified Product Indicator -1= IR Reflow (standard) †-2= Wave Solderable -FW5= .070 " ± .010 " Shaft Extension Resistance Code -

Embossed Tape Designator

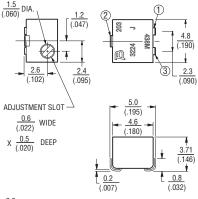
- Embossed Tape Designator

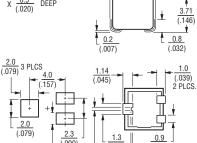
 E Style J, G: 500 pcs./7 " reel (standard)
 Style W: 250 pcs./7 " reel (standard)
 Style X: 200 pcs./7 " reel (standard)
 G = Style J, G: 1500 pcs./13 " reel (standard)
 Style W: 1000 pcs./13 " reel (standard)
 Style X: 850 pcs./13 " reel (standard)
 Blank = Style J, G: 1500 pcs./13 " reel (FW5)
 Style W, X: 600 pcs./13 " reel (FW5)

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

Product Dimensions

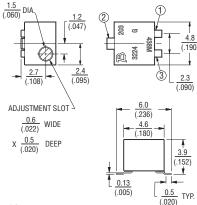
3224J Side Adjust

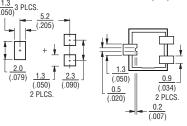




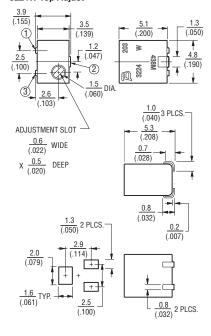
(034) 2 PLCS

3224G Side Adjust

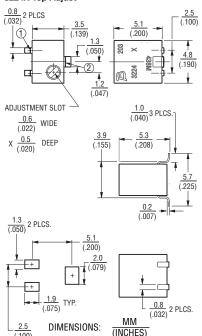




3224W Top Adjust



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 (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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

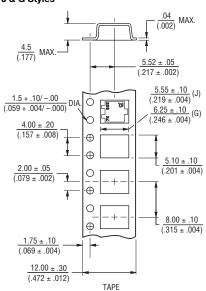
Additional Features

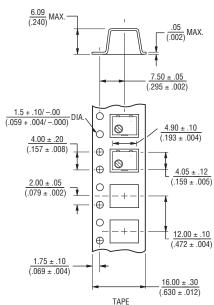
- Top and side adjust styles
- J-hook, and gull-wing

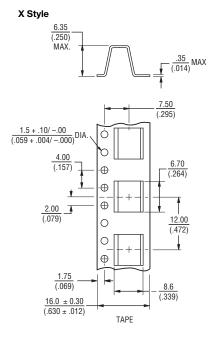
3224 - Packaging Specifications

BOURNS

J & G Styles

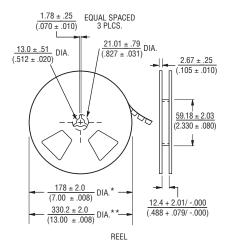






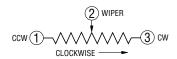
W & X Style Reel

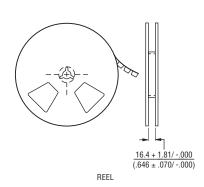
W Style



- * 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.

DIMEN	NSIONS:	MM (INCHES)
TOLERANCES: ±	0.25 (.010)	- EXCEPT WHERE NOTED

Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20 50	200 500
100	101
200 500	201 501
1,000	102
2,000 5.000	202 502
10,000	103
20,000 50,000	203 503
100,000	104
200,000	204
500,000 1,000,000	504 105
2,000,000	205

Popular distribution values listed in boldface. Special resistances available.

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