

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 <u>processing</u> <u>information</u> on RoHS compliant surface mount trimmers
- For trimmer applications/processing guidelines, click here

3224 - 4 mm SMD Trimpot® Trimming Potentiometer

Electrical Characteristics

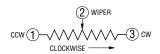
Adjustment Angle 12 turns nom. Environmental Characteristics

Power Rating (300 volts max.)
85 °C0.25 wat
150 °C0 watt
Temperature Range65 °C to +150 °C
Temperature Coefficient±100 ppm/°C
Seal Test 85 °C Fluorinert / 60 seconds
HumidityMIL-STD 202 Method 106
TRS ±2 %; IR 10 megohms
Vibration 20 G TRS±1 %; VRS ±1 %
Shock 100 G TRS ±1 %; VRS±1 %
Load Life @ 85 °C rated power 1,000 hours
TRS3 ohms or 3 % (whichever is greater)
Rotational Cycling 200 cycles
TRS3 ohms or 3 % (whichever is greater)
Thermal Shock 5 cycles
TRS±2 %; VRS±1 %
Moisture Sensitivity LevelN/A
FSD Classification

Physical Characteristics

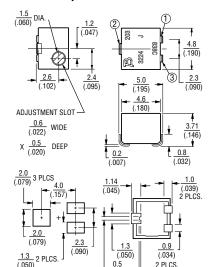
Mechanical Stop	Wiper idles
Torque	180 g-cm max.
Weight	Approximately 0.01 oz.
Marking	Manufacturer's code,
resista	ance code and date code
Solderability	Per MIL-STD-202,
	Method 208
Wiper	.50 % (Actual TR) ±10 %
Flammability	ÜL94V0
Pushover Strength	
J, G	4.4 lbs.
W, X	1 lb.
Adjustment Tool	H-91
-	

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



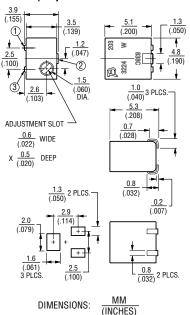
Product Dimensions

3224J Side Adjust

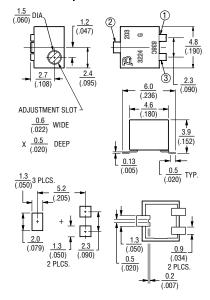


 $\frac{0.2}{(.007)}$

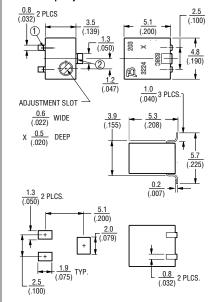
3224W Top Adjust

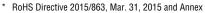


3224G Side Adjust



3224X Top Adjust





^{**}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.

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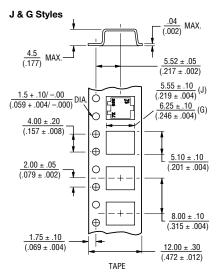
[&]quot;Trimpot" is a trademark of Bourns, Inc. | "Fluorinert" is a registered trademark of 3M Co.

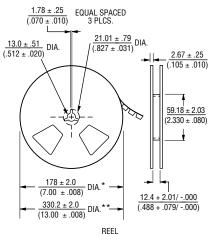
Additional Features

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

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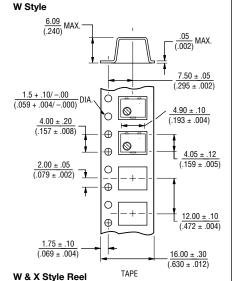
Packaging Specifications

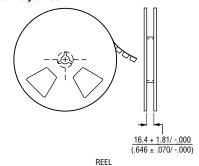




- Embossed Tane Designator "F"
- **Embossed Tape Designator "G" (See How To Order chart for further information.)

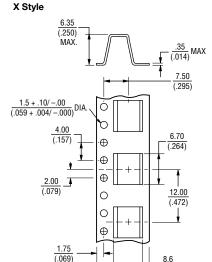
Cover tape peel strength: Meets EIA specification 481.

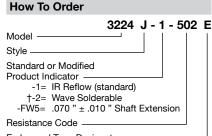




- * Embossed Tape Designator "E"
- **Embossed Tape Designator "G" (See How To Order chart for further information.)

Cover tape peel strength: Meets EIA specification 481.





TAPE

(.339)

Embossed Tape Designator

 16.0 ± 0.30

 $(.630 \pm .012)$

- 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.

Tape and reel material meets Antistatic ANSI/ ESD 5541-2003 packaging standards.

Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20 50	200 500
100	101 201
200 500	501
1,000 2.000	102 202
2,000	202

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.

REV. 08/19

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