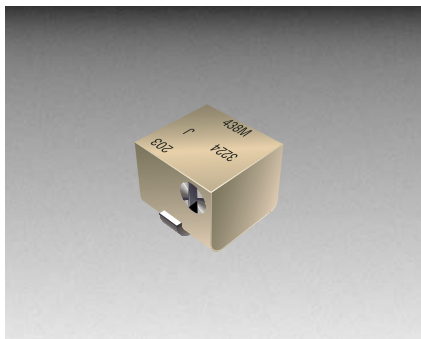




## Features

- Surface Mount 4 mm Square / Multiturn Cermet / Industrial / Sealed
- 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 %
- DESC selected material drawing #92021
- RoHS compliant - see processing information on lead free surface mount trimmers

## 3224 - 4 mm SMD Trimming Potentiometer

### Electrical Characteristics

#### Standard Resistance Range

.....10 to 2 megohm  
(see standard resistance table)  
Resistance Tolerance .....±10 % std.  
Absolute Minimum Resistance  
.....1 % or 2.0 ohms  
(whichever is greater)  
Contact Resistance Variation  
.....1 % or 3 ohms max.  
Resolution.....Essentially Infinite  
Insulation Resistance .....500 vdc.  
.....100 megohms min.

#### Dielectric Strength

Sea Level .....600 vac (1 minute)  
Adjustment Angle.....11 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  
Humidity .....MIL-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  
TRS .....3 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  
Torque .....180 g-cm max.  
Weight .....Approximately 0.01 oz.  
Marking .....Manufacturer's code,  
resistance code and date code  
Solderability .....Per MIL-STD-202,  
Method 208  
Wiper.....50 % (Actual TR) ±10 %  
Flammability .....UL94V0  
Pushover Strength  
J, G .....4.4 lbs.  
W, X .....1 lb.  
Adjustment Tool .....H-91

### How To Order

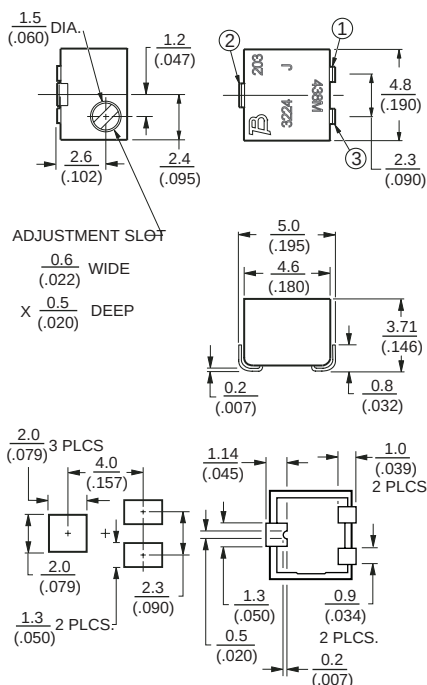
3224 J - 1 - 502 E

Model \_\_\_\_\_  
Style \_\_\_\_\_  
Standard or Modified \_\_\_\_\_  
Product Indicator \_\_\_\_\_  
-1 = IR Reflow (standard)  
†-2 = Wave Solderable  
-FW5 = .070" ± .010" Shaft Extension  
Resistance Code \_\_\_\_\_  
Embossed Tape Designator \_\_\_\_\_  
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

3224J Side Adjust



3224W Top Adjust

