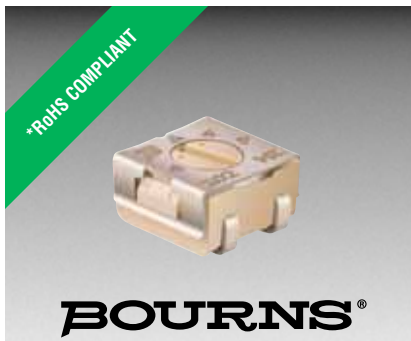




Features

- Surface Mount / Single Turn / Cermet Industrial / Sealed
- Compatible with surface mount manufacturing processes
- Compatible with popular vacuum pick-and-place equipment
- J-hook, gull-wing & pinned configurations

- Side adjust available
- Meets EIA/EIAJ/IPC/VECI SMD standard trimmer designs
- RoHS compliant* - see [processing information](#) on lead free surface mount trimmers
- For trimmer applications/processing guidelines, [click here](#)
- AEC-Q200 Qualified Grade 1

3314 – 4 mm Square Trimpot® Trimming Potentiometer

Additional Information

Click these links for more information:



Electrical Characteristics

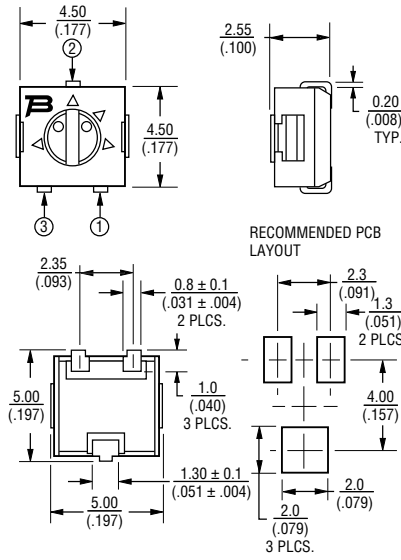
Standard Resistance Range 10 ohms to 2 megohms
(see standard resistance table)
Resistance Tolerance $\pm 20\%$ std.
(tighter tolerance available)
End Resistance 1 % or 2 ohms max.
(whichever is greater)
Contact Resistance Variation 3 % or 3 ohms
Resolution Infinite
Insulation Resistance 500 VDC
..... 100 megohms min.
Dielectric Strength
Sea Level 500 VAC (1 minute)
Adjustment Angle 210° nom.

Environmental Characteristics

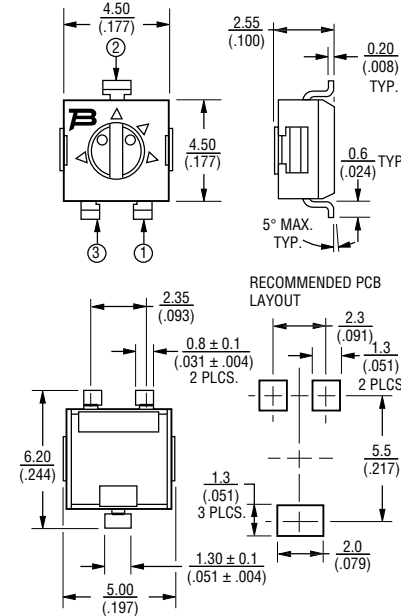
Power Rating (300 volts max. for Style G, J & H; 50 volts max. for Style R)
70 °C 0.25 watt
125 °C 0 watt
Temperature Range -55°C to $+125^\circ\text{C}$
Temperature Coefficient ± 100 PPM/°C
Seal Test 85 °C / 60 seconds
Humidity 90-98 % RH,
10 cycles, 240 hours
Vibration 20 G TRS $\pm 1\%$; VRS $\pm 1\%$
Shock 100 G TRS $\pm 1\%$; VRS $\pm 1\%$
Load Life
... (@ 70 °C Rated Power 1000 Hours)
Rotational Life 100 cycles
Thermal Shock 5 cycles
TRS $\pm 2\%$; VRS $\pm 1\%$

Product Dimensions

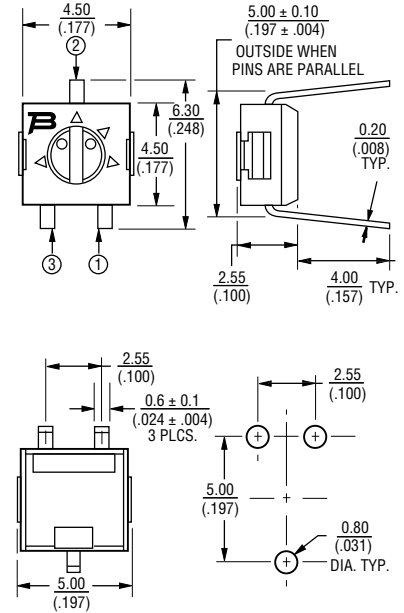
3314J-1



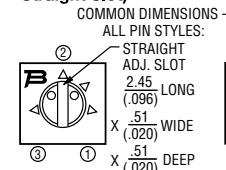
3314G-1



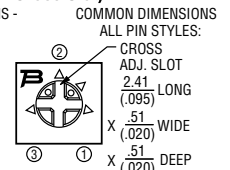
3314H-1



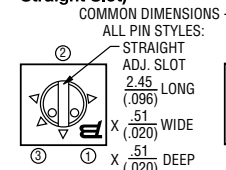
3314J-1, G-1, R-1, H-1
(Bourns Marking,
Straight Slot)



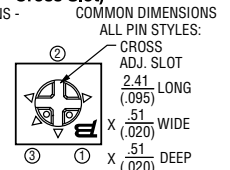
3314J-2, G-2, R-2, H-2
(Bourns Marking,
Cross Slot)



3314J-3, G-3, R-3, H-3
(Reverse Marking,
Straight Slot)



3314J-4, G-4, R-4, H-4
(Reverse Marking,
Cross Slot)



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

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



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

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex

"Trimpot" is a trademark of Bourns, Inc.

Specifications are subject to change without notice. Users should verify actual device performance in their specific applications.

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3314 – 4 mm Square Trimpot® Trimming Potentiometer

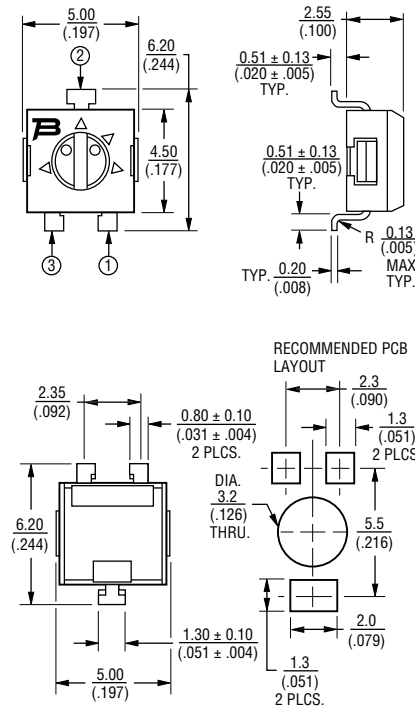
BOURNS®

Physical Characteristics

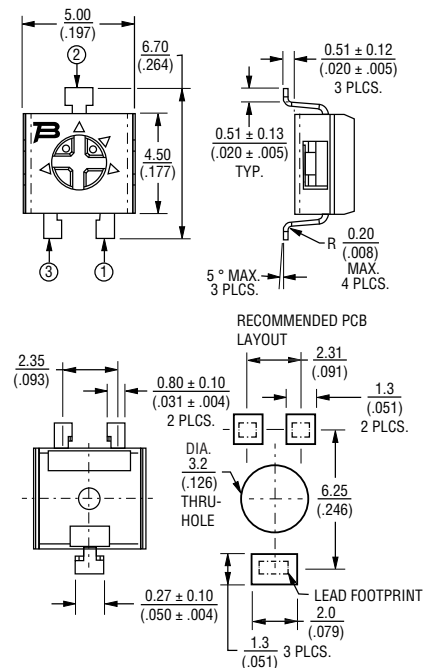
Mechanical Angle 240 ° nom.
 Torque..... 180 g-cm max.
 Stop Strength..... 300 g-cm min.
 Pushover Strength (S & Z Style)
1.6 kilograms (3.5 lbs.) min.
 Weight Approximately 0.01 oz.
 Marking..... Manufacturer's code,
 resistance code and date code
 Wiper 50 % (Actual TR) ±10 %
 Flammability U.L. 94V-0
 Standard Packaging
 J, G and R.... 500 pcs./7 ~ reel (MSL-1)
 S and Z..... 200 pcs./7 ~ reel (MSL-1)
 H..... 100 pcs./tube
 Adjustment Tool H-90
 Storage Condition
 40 °C max. / 70 % R.H. max.

Product Dimensions

3314R-1



3314R-GM5



DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

TOLERANCES: ± $\frac{0.25}{(.010)}$ EXCEPT WHERE NOTED

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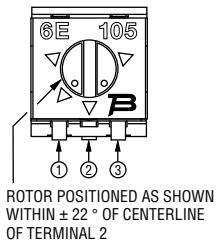
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3314 – 4 mm Square Trimpot® Trimming Potentiometer

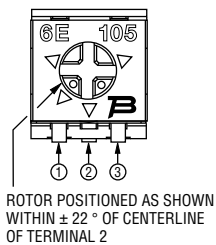
BOURNS®

Product Dimensions

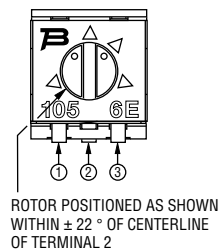
3314S-1 (Bourns Marking, Straight Slot)



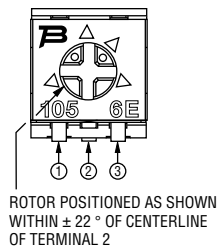
3314S-2 (Bourns Marking, Cross Slot)



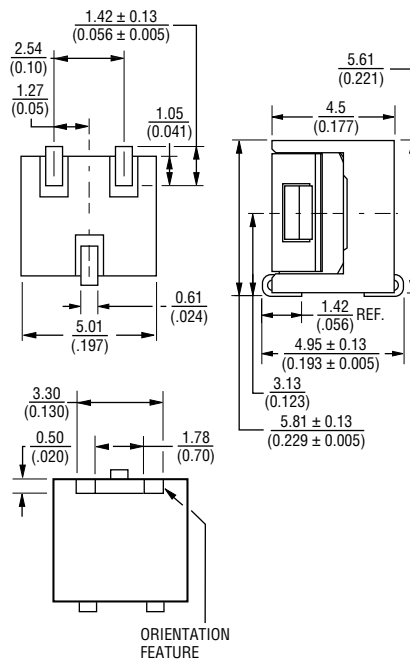
3314S-3 (Reverse Marking, Straight Slot)



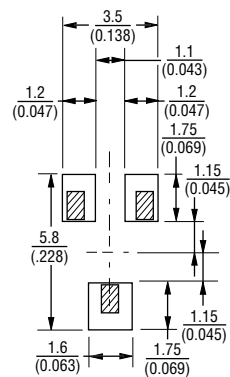
3314S-4 (Reverse Marking, Cross Slot)



3314S Common Dimensions



RECOMMENDED PCB LAYOUT



DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

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

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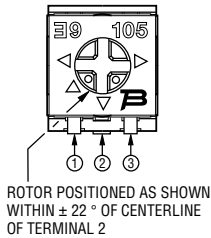
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3314 – 4 mm Square Trimpot® Trimming Potentiometer

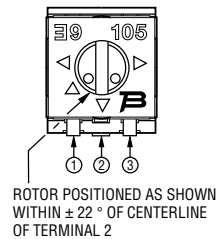
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Product Dimensions

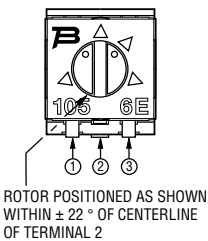
3314Z-1-(RC) E (Cross Slot)



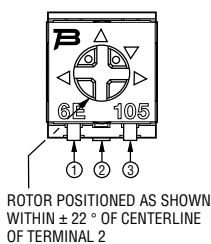
3314Z-GA4-(RC) E (Straight Slot)



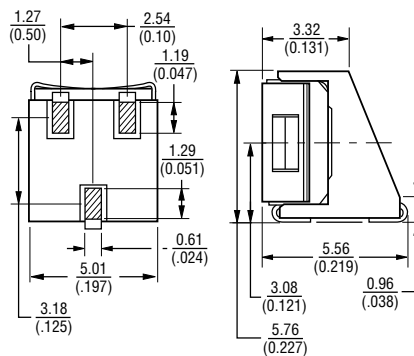
3314Z-3 (Reverse Marking, Straight Slot)



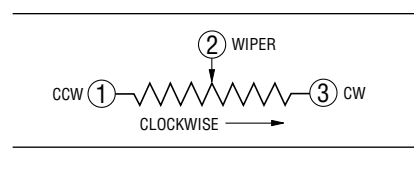
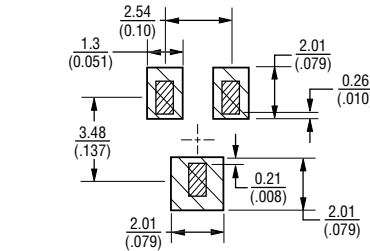
3314Z-4-(RC) E (Reverse Marking, Cross Slot)



3314Z Common Dimensions



RECOMMENDED PCB LAYOUT



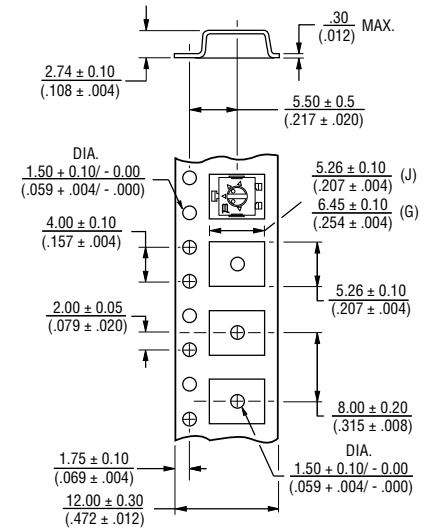
DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

TOLERANCES: $\pm \frac{0.30}{(.012)}$ EXCEPT WHERE NOTED

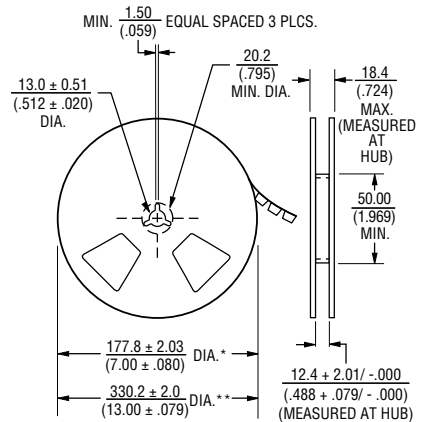
Packaging Specifications

(J, G Styles)

TAPE



REEL



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

Meets EIA specification 481.

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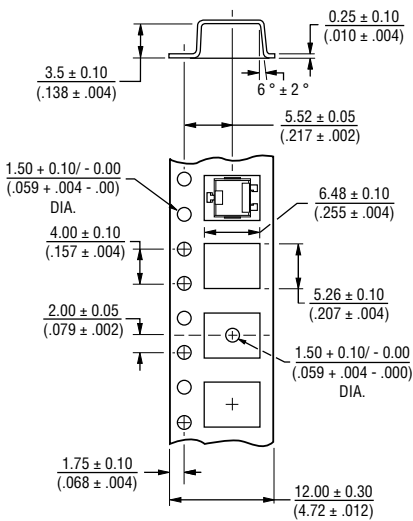
3314 – 4 mm Square Trimpot® Trimming Potentiometer

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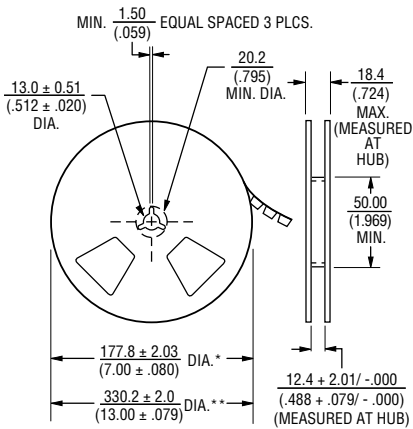
Packaging Specifications

(R Style)

TAPE



REEL

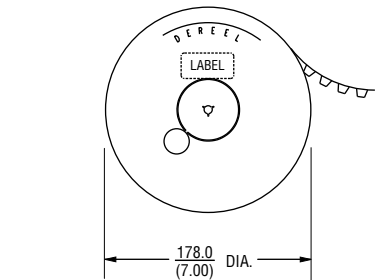
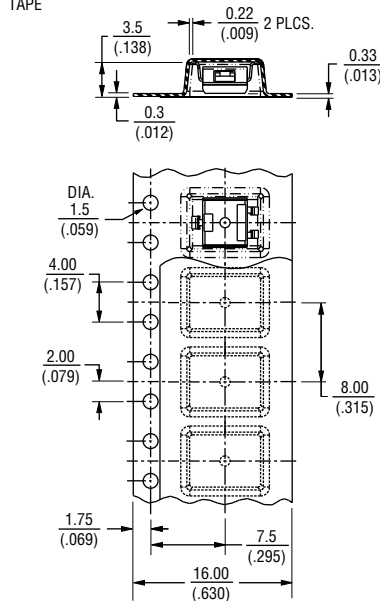


* Embossed Tape Designator "E"
** Embossed Tape Designator "G"
(See How To Order chart for further information.)

Meets EIA specification 481.

(R-GM5 Style)

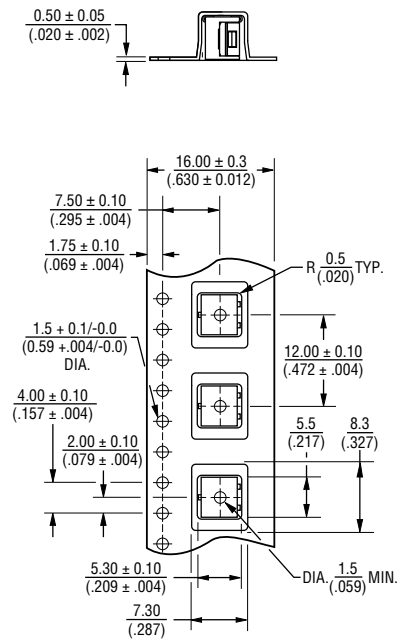
TAPE



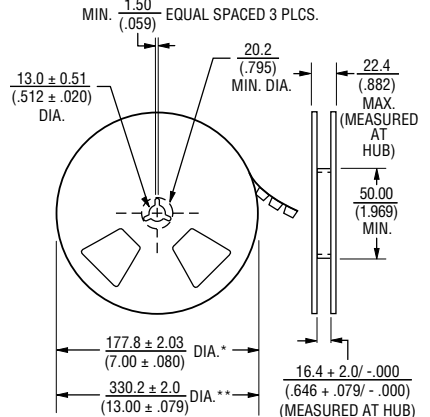
DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$
TOLERANCES: ± 0.30 EXCEPT WHERE NOTED
(.012)

(S Style)

TAPE



REEL



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

Meets EIA specification 481.

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