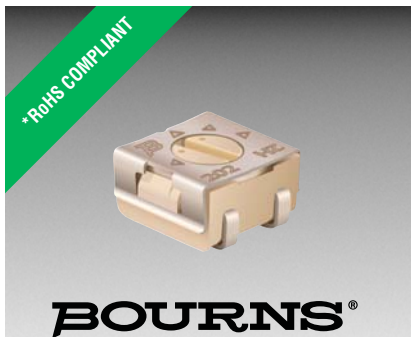




Features

- 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 and 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](#)

3314 - 4 mm Square Trimpot® Trimming Potentiometer

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

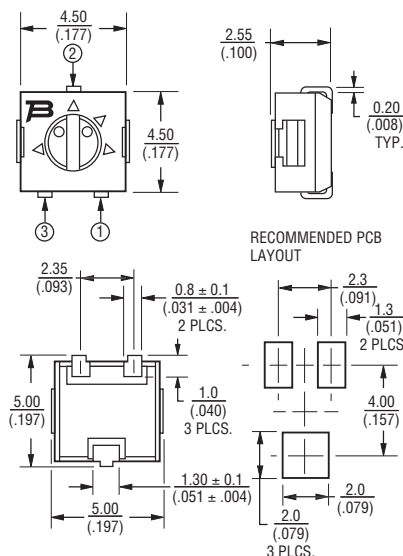
Power Rating (300 volts max. for Style G, J & H; 50 volts max. for Style R)
70 °C 0.25 watt
125 °C 0 watt
Temperature Range ... -55 °C to +125 °C
Temperature Coefficient ... ± 100 ppm/°C
Humidity 90-98 % RH,
10 cycles, 240 hours
TRS $\pm 2\%$; IR 10 megohms
Vibration 20 G TRS $\pm 1\%$; VRS $\pm 1\%$
Shock 100 G TRS $\pm 1\%$; VRS $\pm 1\%$
Load Life
...(@ 70 °C Rated Power 1000 Hours)
TRS $\pm 3\%$
Rotational Life 100 cycles
TRS $\pm 3\%$
Thermal Shock 5 cycles
TRS $\pm 2\%$; VRS $\pm 1\%$

Physical Characteristics

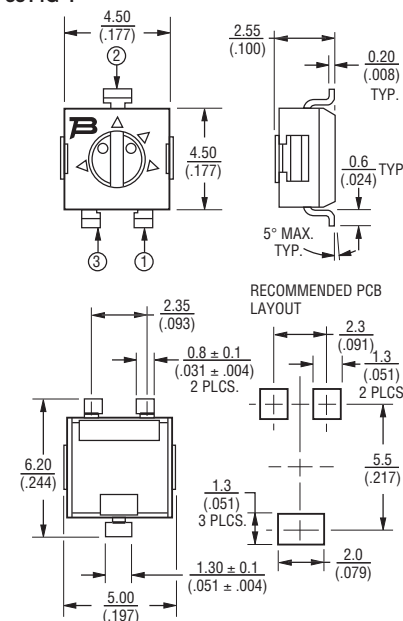
Mechanical Angle 240° nom.
Torque 180 g-cm max.
Stop Strength 300 g-cm min.
Pushover Strength (S & Z Style)
..... 1.6 kilograms (3.5 lbs.) min.
Weight Approximately 0.01 oz.
Marking Manufacturer's code,
resistance code and date code
Wiper 50 % (Actual TR) $\pm 10\%$
Flammability U.L. 94V-0
Standard Packaging
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

Product Dimensions

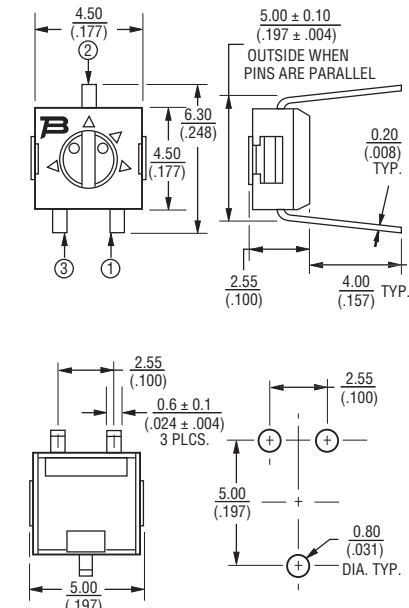
3314J-1



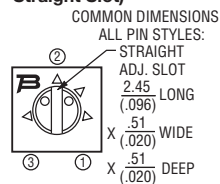
3314G-1



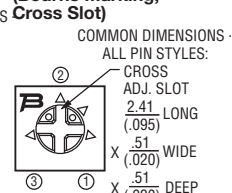
3314H-1



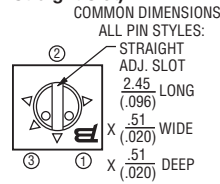
3314J-1, G-1, R-1, H-1
(Bourns Marking,
Straight Slot)



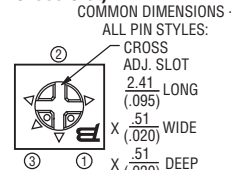
3314J-2, G-2, R-2, H-2,
R-GM5
(Bourns Marking,
Cross Slot)



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

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

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Users should verify actual device performance in their specific applications.

3314 - 4 mm Square Trimpot® Trimming Potentiometer

BOURNS®

Product Dimensions

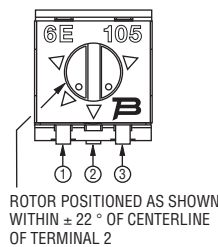
3314R-1



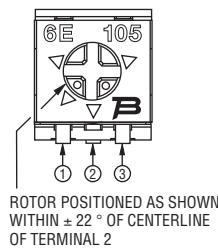
3314R-GM5



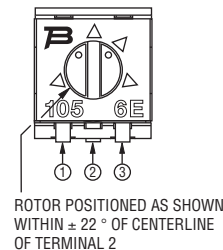
3314S-1 (Bourns Marking, Straight Slot)



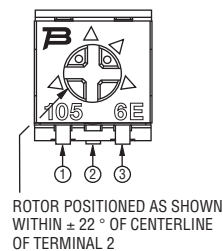
3314S-2 (Bourns Marking, Cross Slot)



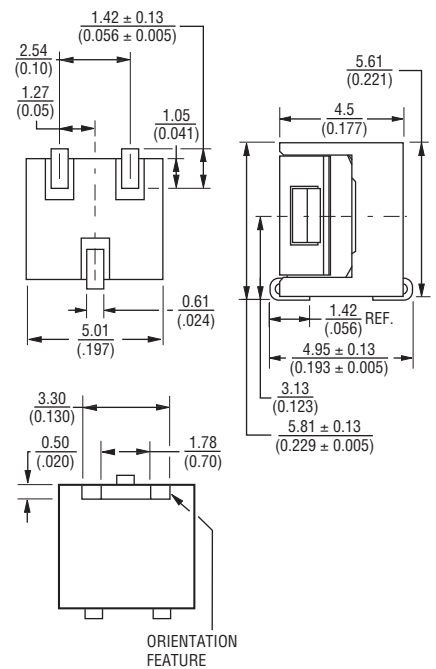
3314S-3 (Reverse Marking, Straight Slot)



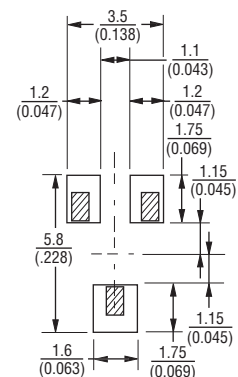
3314S-4 (Reverse Marking, Cross Slot)



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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3314 - 4 mm Square Trimpot® Trimming Potentiometer

BOURNS®

Product Dimensions

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



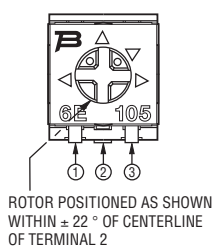
3314Z-GA4-(RC) E
(Straight Slot)



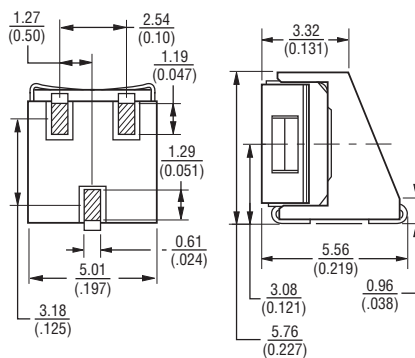
3314Z-3
(Reverse Marking, Straight Slot)



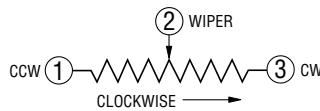
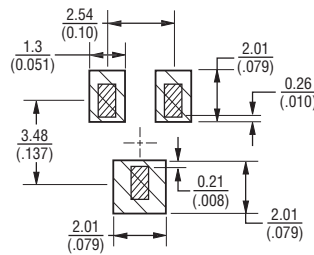
3314Z-4-(RC) E
(Reverse Marking, Cross Slot)



3314Z
Common Dimensions



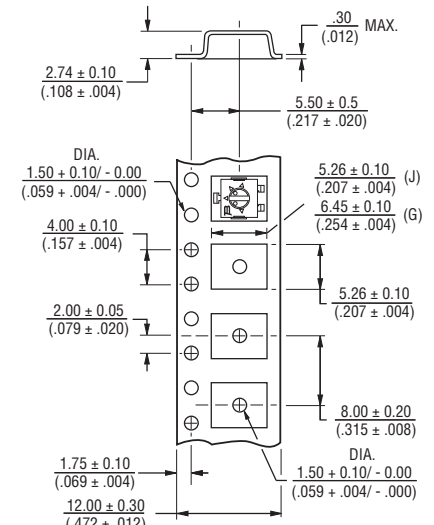
RECOMMENDED PCB LAYOUT



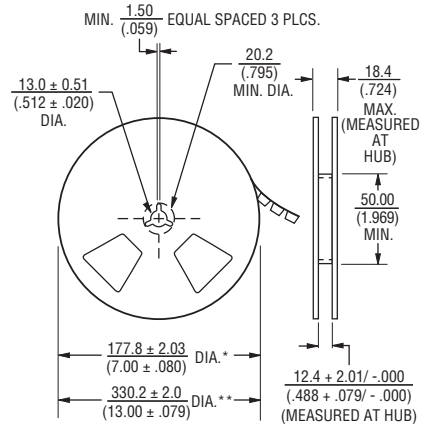
Packaging Specifications

(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.

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

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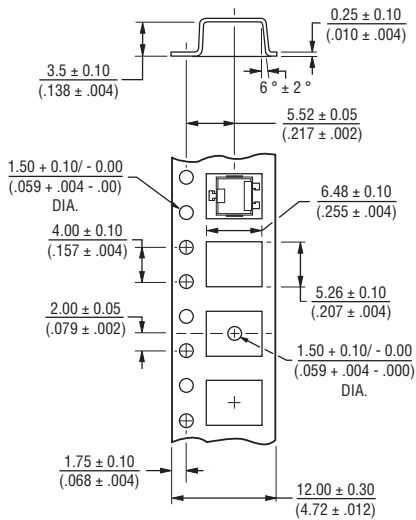
3314 - 4 mm Square Trimpot® Trimming Potentiometer

BOURNS®

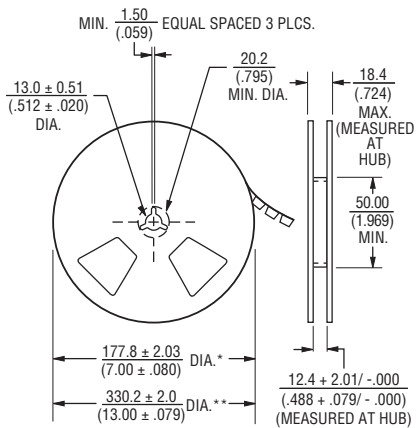
Packaging Specifications

(R Style)

TAPE



REEL



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

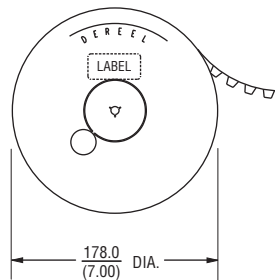
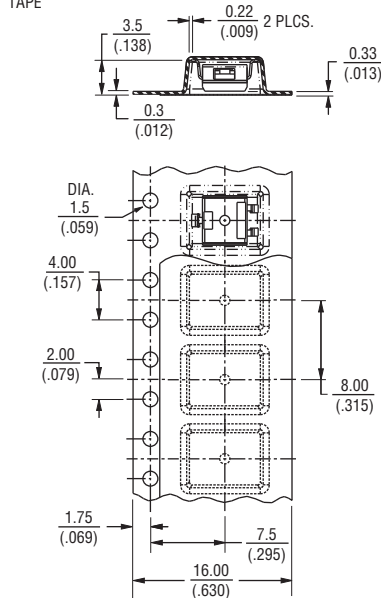
Meets EIA specification 481.

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

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

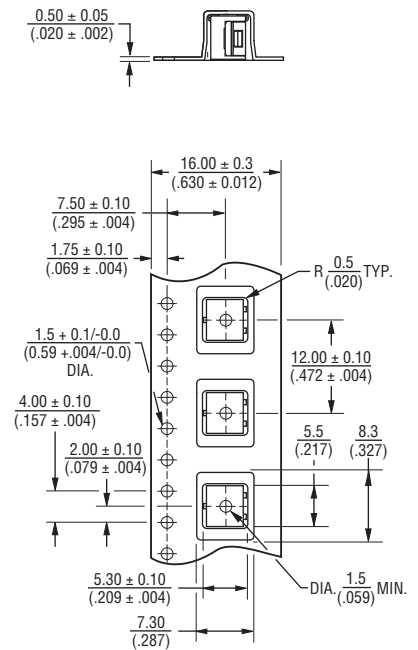
(R-GM5 Style)

TAPE

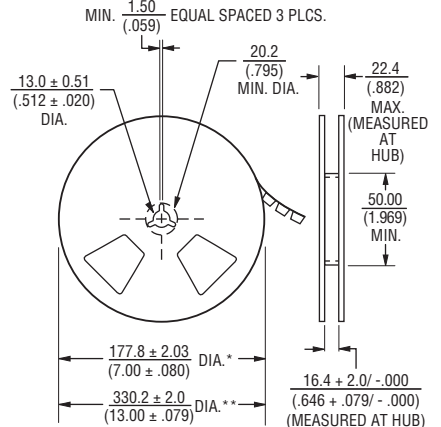


(S Style)

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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BOURNS®

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