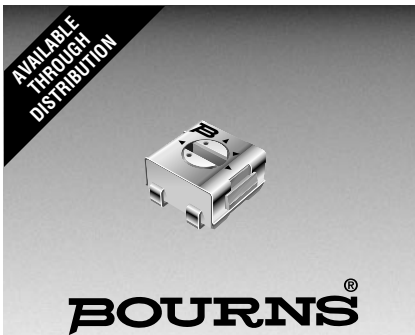




Features

- 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/VRCI SMD standard trimmer designs

3314 - 4mm Square Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
.....10 ohms to 2 megohms
(see standard resistance table)
Resistance Tolerance±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 Resistance500 vdc.
100 megohms min.
Dielectric Strength
Sea Level.....500 vac (1 minute)
Adjustment Angle210° nom.

Environmental Characteristics

Power Rating (300 volts max.)
70°C.....0.25 watt
125°C.....0 watt
Temperature Range.....-55°C to +125°C
Temperature Coefficient±100ppm/°C
Humidity90-98% RH,
10 cycles, 240 hours
TRS ±2%; IR 10 megohms
Vibration20G TRS ±1%; VRS ±1%
Shock100G TRS ±1%; VRS ±1%
Load Life
.....(@ 70°C Rated Power 1000 Hours)
TRS ±3%
Rotational Life100 cycles
TRS ±3%
Thermal Shock5 cycles
TRS ±2%; VRS ±1%

Physical Characteristics

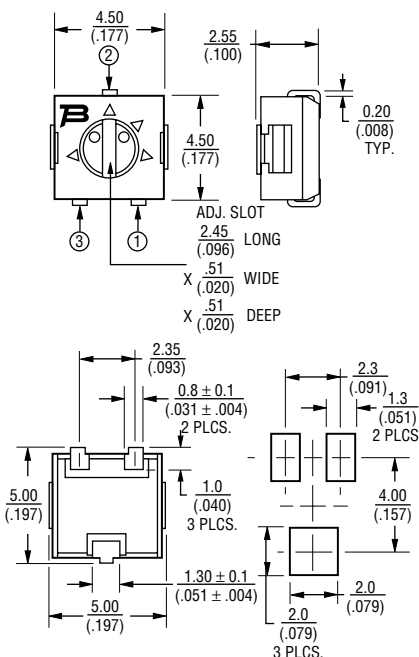
Mechanical Angle240° nom.
Torque180g-cm typical
Stop Strength.....300g-cm typical
Pushover Strength (Z Style)
.....2 kilograms (4.4 lbs.) minimum
WeightApproximately 0.01 oz.
MarkingManufacturer's code,
resistance code and date code
WiperPositioned at 50% nominal
Flammability.....U.L. 94V-0
Standard Packaging
J, G and R500 pcs./7" reel
Z200 pcs./7" reel
H50 pcs./tube
Adjustment ToolH-90

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

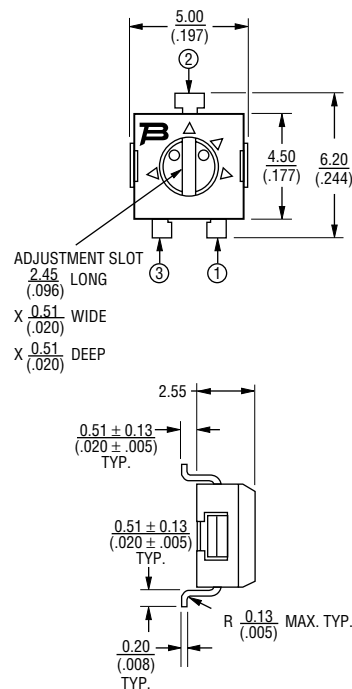
DIMENSIONS ARE: $\frac{\text{METRIC}}{\text{(INCHES)}}$

Product Dimensions

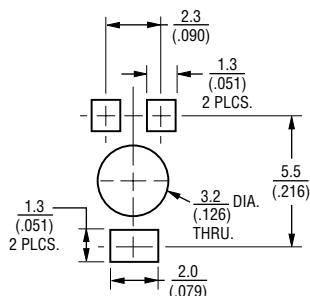
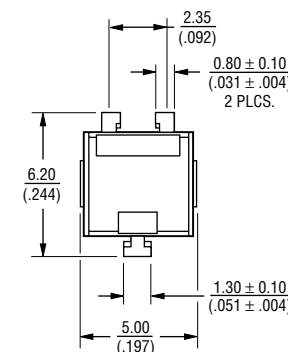
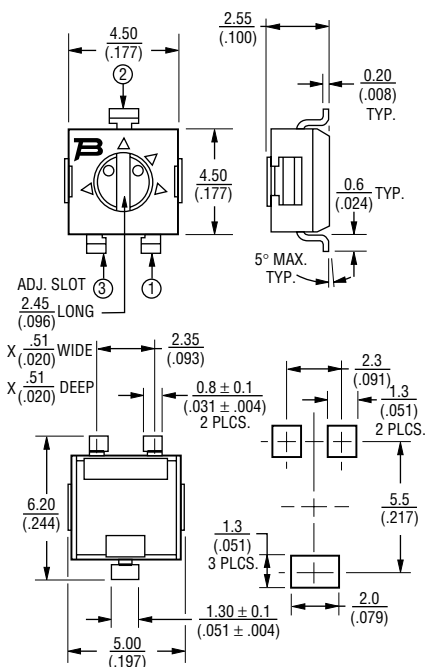
3314J-1



3314R-1



3314G-1



Additional Features

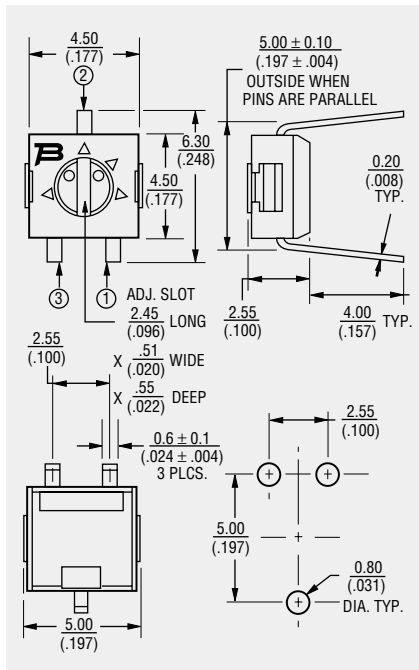
- Model 3314 has been approved for use by DESC on drawings 88039 (3314J) and 90027 (3314G)

3314 - 4mm Square Trimming Potentiometer

BOURNS®

Product Dimensions

3314H-1



SHADED AREAS TYPICALLY NOT STOCKED BY DISTRIBUTORS AND NOT RECOMMENDED FOR NEW DESIGNS.

How To Order

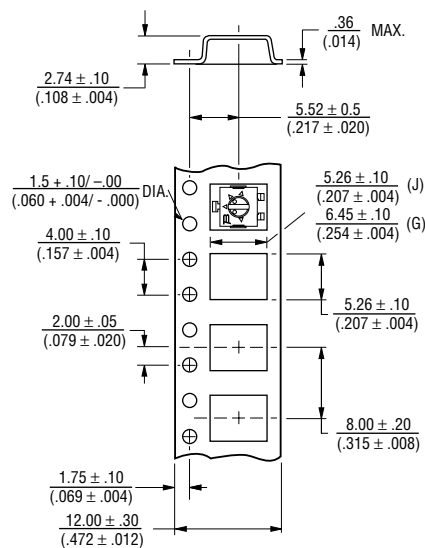
3314 J - 1 - 502 E

Model _____
 Style _____
 Standard or Modified Product Indicator (Styles J, G & H)
 -1 = Single Slot
 -2 = Cross Slot
 Product Indicator (Style Z only)
 -GA4 = Single Slot
 -1 = Cross Slot
 Resistance Code _____
 Embossed Tape Designator _____
 (Applicable to Styles J, G, R & Z only)
 Styles J, G and R: 500 pcs./7" reel (standard)
 Style Z: 200 pcs./7" reel (standard)

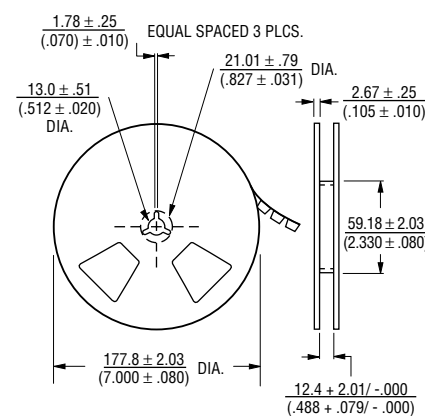
Packaging Specifications - J, G and R Styles

(J, G Styles)

TAPE



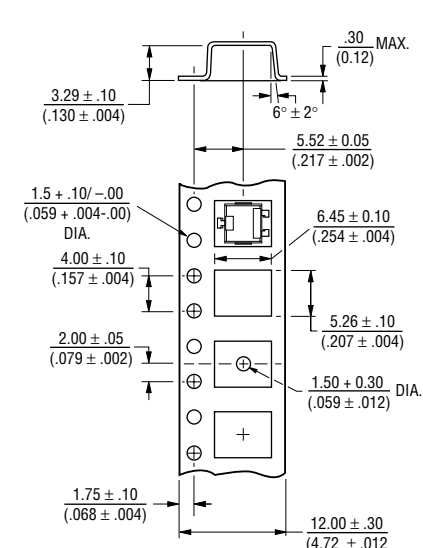
REEL



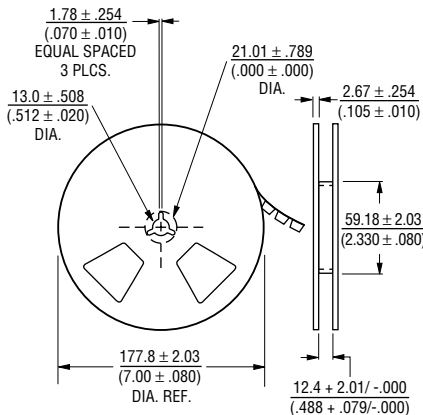
Meets EIA specification 481.

(R Style)

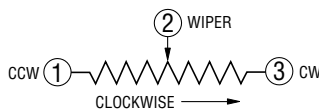
TAPE



REEL



Meets EIA specification 481.



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

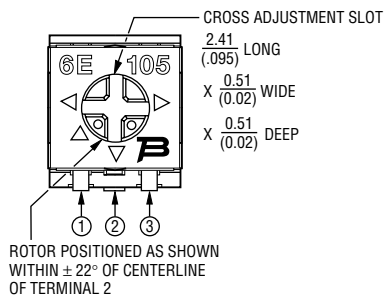
DIMENSIONS ARE: METRIC
(INCHES)

3314 - 4mm Square Trimming Potentiometer

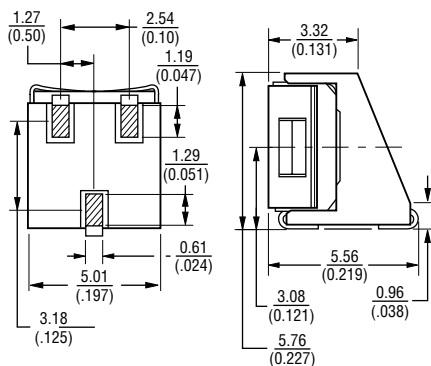
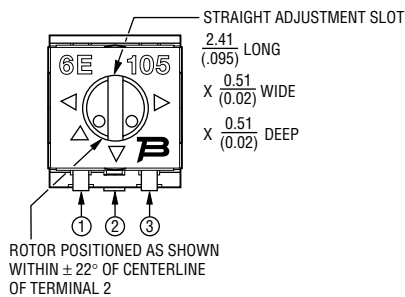
BOURNS®

Product Dimensions

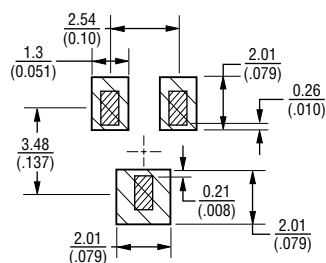
3314Z-1-(RC) E (Cross Slot)



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

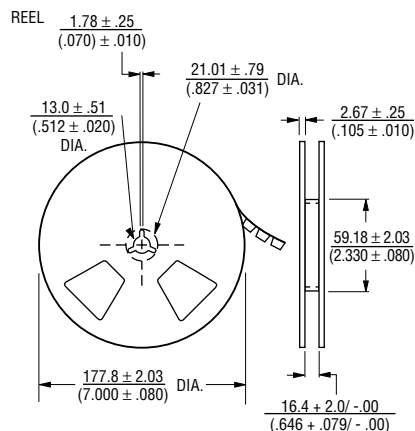
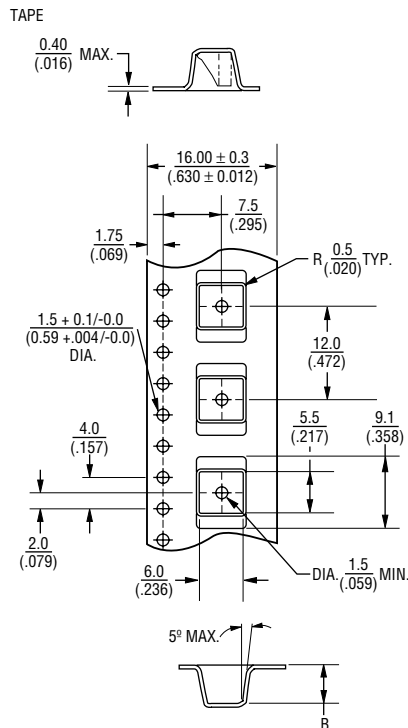


RECOMMENDED PCB LAYOUT



Packaging Specifications

(Z Style)



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: $\frac{\text{METRIC}}{\text{(INCHES)}}$

Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
250,000	254
500,000	504
1,000,000	105
2,000,000	205

Popular values listed in boldface. Special resistances available.

SHADED AREAS TYPICALLY NOT STOCKED BY DISTRIBUTORS AND NOT RECOMMENDED FOR NEW DESIGNS.