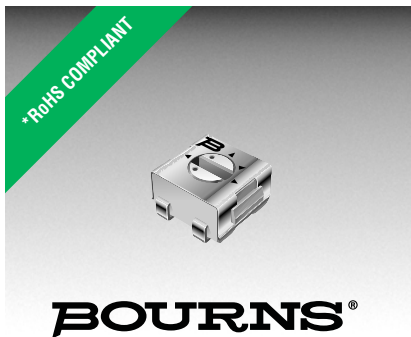




## Features

- 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 .....  $210^\circ$  nom.

### Environmental Characteristics

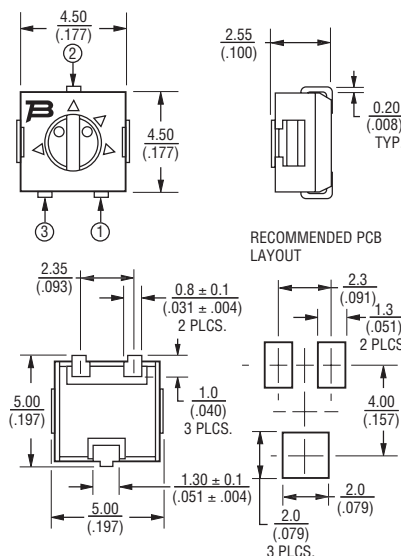
Power Rating (300 volts max.)  
70 °C ..... 0.25 watt  
125 °C ..... 0 watt  
Temperature Range ... -55 °C to +125 °C  
Temperature Coefficient ...  $\pm 100$  ppm/°C  
Humidity ..... 90-98 % RH,  
10 cycles, 240 hours  
TRRS  $\pm 2\%$ ; IR 10 megohms  
Vibration ..... 20 G TRRS  $\pm 1\%$ ; VRS  $\pm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

### Physical Characteristics

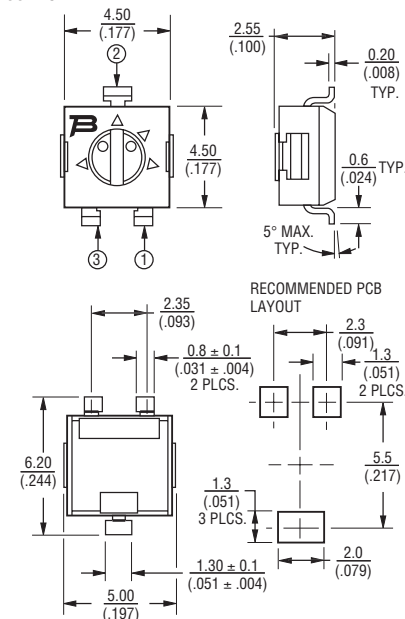
Mechanical Angle .....  $240^\circ$  nom.  
Torque ..... 180 g-cm typical  
Stop Strength ..... 300 g-cm typical  
Pushover Strength (Z Style)  
..... 2 kilograms (4.4 lbs.) minimum  
Weight ..... Approximately 0.01 oz.  
Marking ..... Manufacturer's code,  
resistance code and date code  
Wiper ..... 50 % (Actual TR)  $\pm 10\%$   
Flammability ..... U.L. 94V-0  
Standard Packaging  
J, G and R ..... 500 pcs./7 " reel  
S and Z ..... 200 pcs./7 " reel  
H ..... 100 pcs./tube  
Adjustment Tool ..... H-90

### Product Dimensions

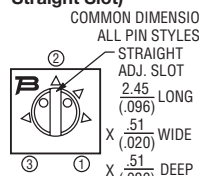
3314J-1



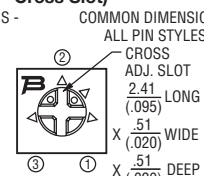
3314G-1



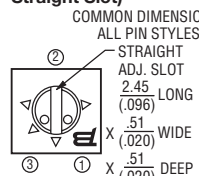
3314J-1, G-1, R-1, H-1  
(Bourns Marking,  
Straight Slot)



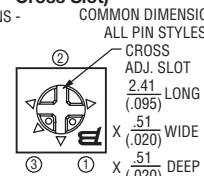
3314J-2, G-2, R-2, H-2  
(Bourns Marking,  
Cross Slot)



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



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



### How To Order

Model **3314 J - 1 - 502 E**  
Style  
Standard or Modified Product Indicator (Styles J, G, R, H & S)  
-1 = Single Slot  
-2 = Cross Slot  
-3 = Single Slot w/Reverse Marking  
-4 = Cross Slot w/Reverse Marking  
Product Indicator (Style Z only)  
-GA4 = Single Slot  
-1 = Cross Slot  
-3 = Single Slot w/Reverse Marking  
-4 = Cross Slot w/Reverse Marking  
Resistance Code  
Embossed Tape Designator\*\*  
E = Styles J, G and R: 500 pcs./7 " reel  
Styles S and Z: 200 pcs./7 " reel  
G = Styles J and G: 3000 pcs./13 " reel  
Style R: 2500 pcs./13 " reel  
Styles S and Z: 1000 pcs./13 " reel  
\*\*Style H is available in tube packaging only.

### Standard Resistance Table

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

Popular distribution values listed in boldface.  
Special resistances available.

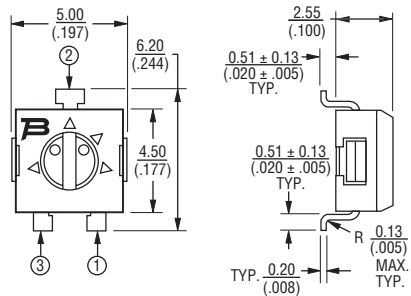
\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.  
Specifications are subject to change without notice.  
Customers should verify actual device performance in their specific applications.

# 3314 - 4 mm Square Trimpot® Trimming Potentiometer

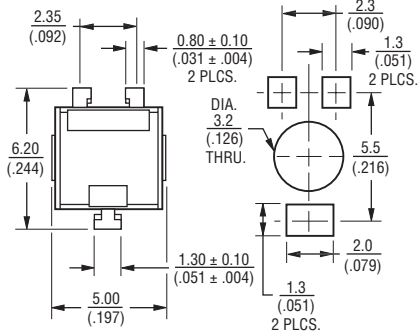
**BOURNS®**

## Product Dimensions

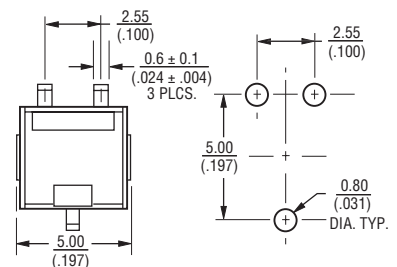
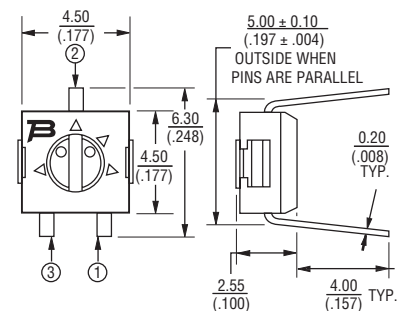
3314R-1



### RECOMMENDED PCB LAYOUT



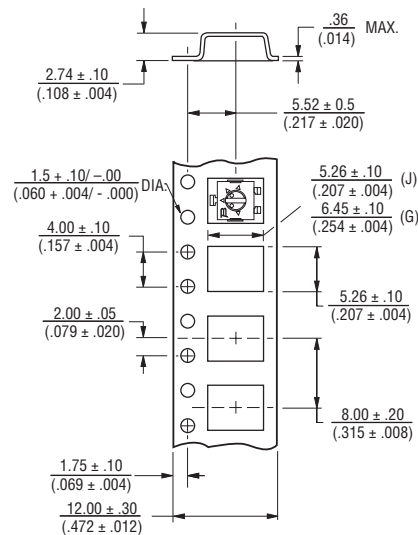
3314H-1



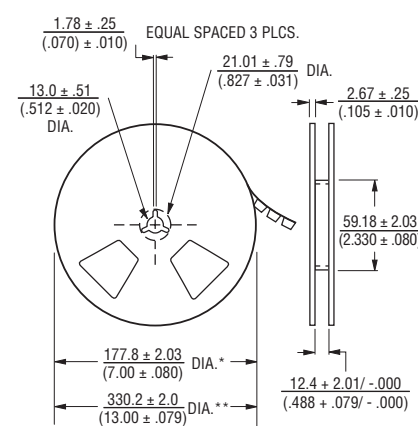
## Packaging Specifications - J, G and R Styles

(J, G Styles)

TAPE



REEL

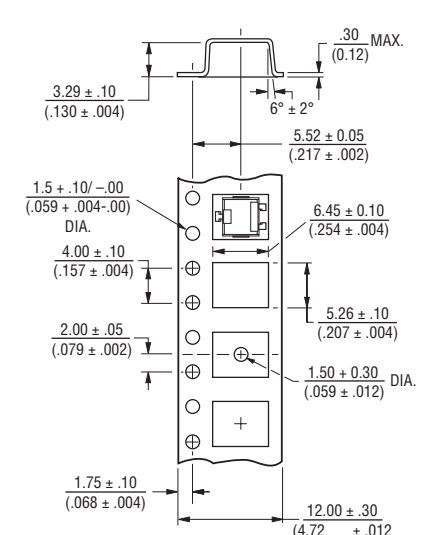


\* Embossed Tape Designator "E"  
\*\* Embossed Tape Designator "G"  
(See How To Order chart for further information.)

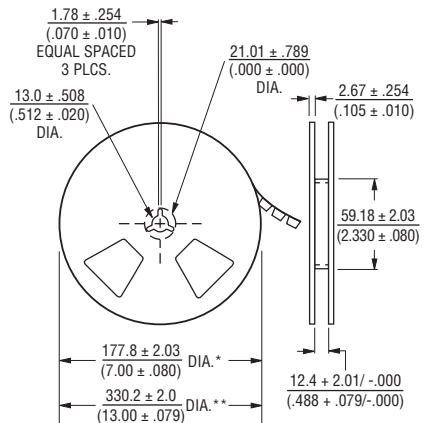
Meets EIA specification 481.

(R Style)

TAPE

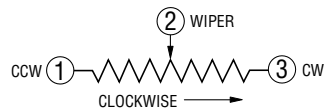


REEL



\* 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

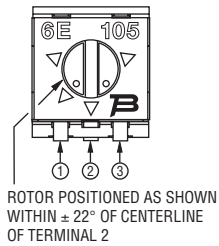
Specifications are subject to change without notice.  
Customers should verify actual device performance in their specific applications.

# 3314 - 4 mm Square Trimpot® Trimming Potentiometer

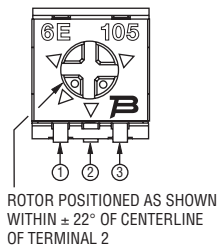
**BOURNS®**

## Product Dimensions

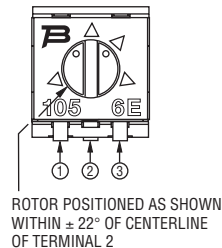
### 3314S-1 (Bourns Marking, Straight Slot)



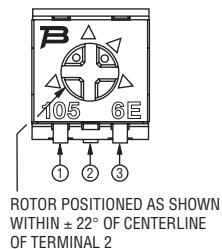
### 3314S-2 (Bourns Marking, Cross Slot)



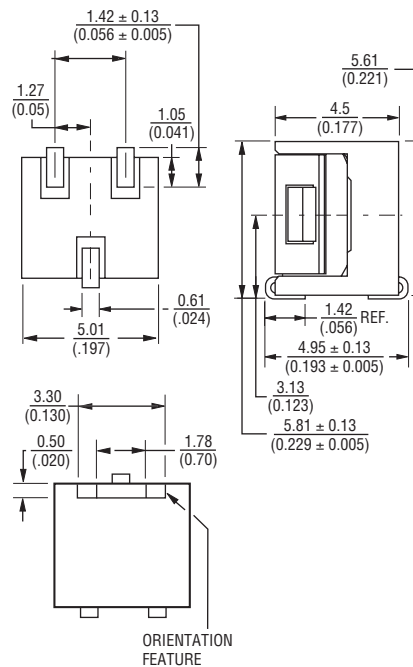
### 3314S-3 (Reverse Marking, Straight Slot)



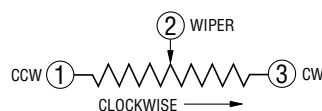
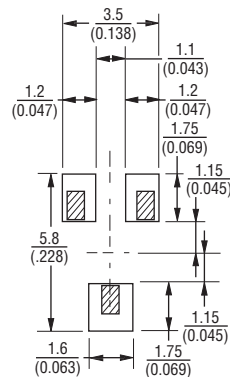
### 3314S-4 (Reverse Marking, Cross Slot)



### 3314S Common Dimensions



### RECOMMENDED PCB LAYOUT



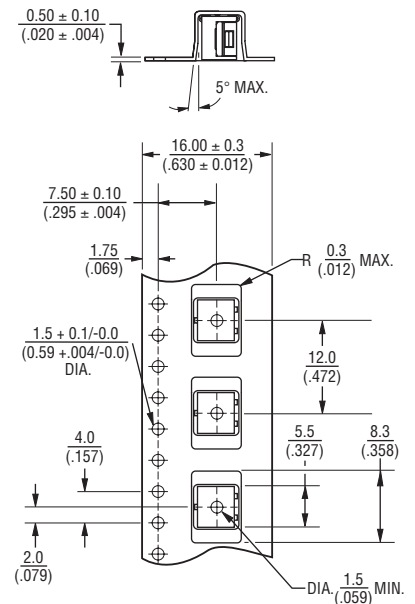
DIMENSIONS:  $\frac{\text{MM}}{(\text{INCHES})}$

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

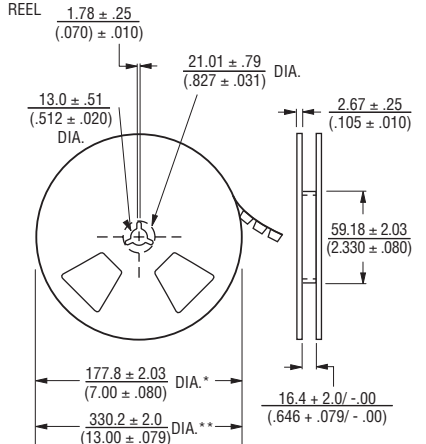
## Packaging Specifications

### (S Style)

#### TAPE



#### REEL



\* Embossed Tape Designator "E"

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

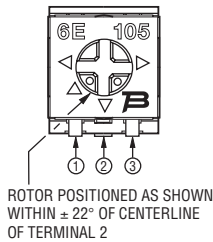
Meets EIA specification 481.

# 3314 - 4 mm Square Trimpot® Trimming Potentiometer

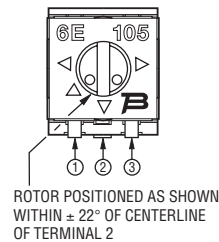
**BOURNS®**

## Product Dimensions

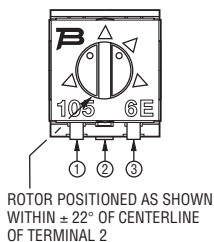
### 3314Z-1-(RC) E (Cross Slot)



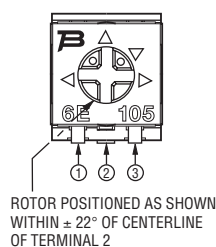
### 3314Z-GA4-(RC) E (Straight Slot)



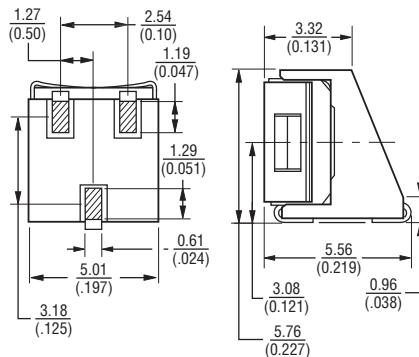
### 3314Z-3 (Reverse Marking, Straight Slot)



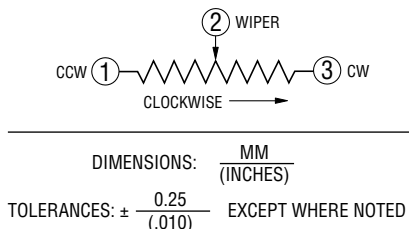
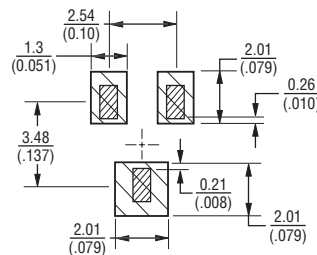
### 3314Z-4-(RC) E (Reverse Marking, Cross Slot)



## 3314Z Common Dimensions



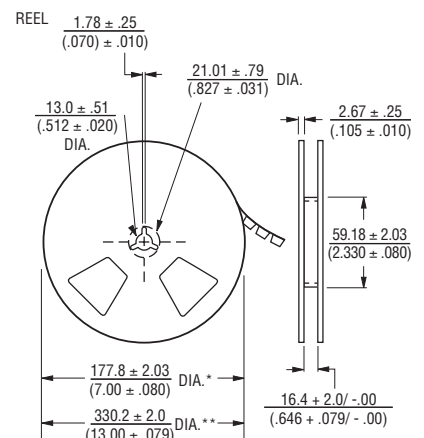
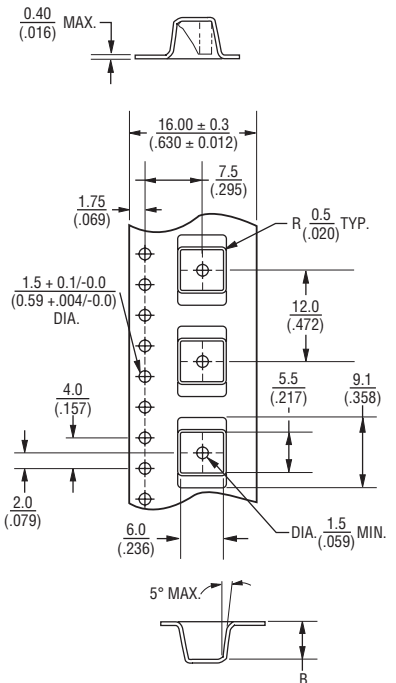
## RECOMMENDED PCB LAYOUT



## Packaging Specifications

### (Z Style)

### TAPE



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

Meets EIA specification 481.

REV. 01/12

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

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: [ocean@oceanchips.ru](mailto:ocean@oceanchips.ru)

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А