

**Electrical Characteristics** 

### **Features**

- Conductive plastic
- PC board and bushing mount
- Plastic or metal bushing and plastic shaft
- Withstands typical industrial washing processes
- Compact package saves board and panel



## 3310 - 9 mm Square Sealed Panel Control

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	±20 /
	270 °C 2 of this maximum (whichever is greated)
	1 % or 1 ohm (whichever is greate
ielectric Withstanding Voltage (M	
Sociation of the state of the s	900 VAC minimu
	350 VAC minimu
	1,000 megohms minimul
	at 125 °C - Voltage Limited By Power Dissipation or 200 VAC, Whichever is Less)
	·
Environmental Characteris	
	-40 °C to +125 °C (-40 °F to +257 °I
	55 °C to +125 °C (-67 °F to +257 °l
	age Temperature Range±1,000 ppm/°
	±1 % maximur
Voltage Ratio Shift	±1 % maximui
Total Resistance Shift	±1 % maximui
Voltage Ratio Shift	±1 % maximu
oad Life	
Total Resistance Shift	±10 % TRS maximu
otational Life (No Load)	
	±5 % TRS maximu
/loisture Resistance	
Total Resistance Shift	MIL-STD-202, Method 103, Condition I
Total Resistance Shift	
Total Resistance ShiftP Rating	±10 % TRS maximur 
Total Resistance ShiftP Rating	±10 % TRS maximur 
Total Resistance Shift P Rating Moisture Sensitivity Level SD Classification (HBM)  Mechanical Characteristics Stop Strength	±10 % TRS maximur IP6 
Total Resistance Shift	±10 % TRS maximur IP6
Total Resistance Shift	±10 % TRS maximum
Total Resistance Shift	±10 % TRS maximui IP6  N/  S  5.65 N-cm (8 ozin 300 ° nomin 3.53 N-cm (5.0 ozin.) maximui
Total Resistance Shift	#10 % TRS maximum    Pe
Total Resistance Shift	**10 % TRS maximum**  **P6***  **S***  **5.65 N-cm (8 ozin**  **3.00 ° nomin**  **3.53 N-cm (5.0 ozin.) maximum**  **45 N-cm (4.0 lbin.) max [plastic bushing]; 79 N-cm (7.0 lbin.) max [metal bushing**)
Total Resistance Shift	**10 % TRS maximum**  **P6***  **S***  **5.65 N-cm (8 ozin**  **3.00 ° nomin**  **3.53 N-cm (5.0 ozin.) maximum**  **45 N-cm (4.0 lbin.) max [plastic bushing]; 79 N-cm (7.0 lbin.) max [metal bushing**)
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Total Resistance Shift	
Total Resistance Shift	
Total Resistance Shift	
Total Resistance Shift	±10 % TRS maximu IP6
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Total Resistance Shift	### ##################################
Total Resistance Shift	#10 % TRS maximum  #16  #17  #18  #19  #19  #19  #19  #19  #19  #19
Total Resistance Shift	±10 % TRS maximur 

<sup>\*</sup>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. Users should verify actual device performance in their specific applications.

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### **Additional Features**

- Audio taper versions available as special order
- RoHS compliant\*

## 3310 - 9 mm Square Sealed Panel Control

### **Standard Resistance Table**

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

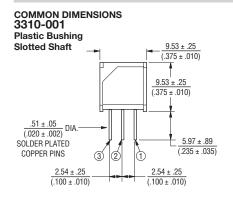
Popular values listed in boldface. Consult factory for special resistances.

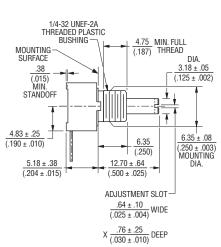
How To Order								
	33	10	<b>Y</b>	- 0	0	1 .	- 10	3 I
Model Number Designator — 3310 = 9 mm Panel Control								
Terminal Style Designator Single Cup: C = In-line Straight Terminals Side Exit 2.54 mm centers R = In-line Terminals Rear Exit 2.54 mm centers P = 5.08 mm x 2.54 mm Triangular Pattern Rear Exit Y = 5.08 mm x 5.08 mm Triangular Pattern Rear Exit			_					
Dual Cup (Pot/Pot or Pot/Switch): H = Dual In-line Straight Terminals Rear Exit 2.54 mm centers								
Shaft End Designator  0 = Shaft End Slotted  1 = Shaft End Flatted								
Shaft Length Designator  0 = 12.7 mm FMS Long Plastic Shaft (Available w/bushing only)  1 = 19.05 mm FMS Long Plastic Shaft (Available w/bushing only)  2 = 5.59 mm FMS Long Plastic Shaft (Bushingless version only)								
Bushing Designator Pot (or Pot/Pot):  1 = 6.35 mm x 6.35 mm Plastic  2 = 6.35 mm x 6.35 mm Ni Plated Brass  5 = Bushingless (Board Level Control)								
Pot/Switch Bushing Designator (use with "H" terminal style only.) 3 = 6.35 mm x 6.35 mm Plastic 4 = 6.35 mm x 6.35 mm Ni Plated Brass 6 = Bushingless (Board Level)								
Resistance Code (1st 2 digits are significant, 3rd digit is number of 0s to follow)								
RoHS Identifier L = Compliant								

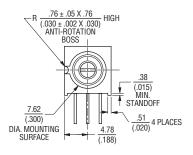
## 3310 - 9 mm Square Sealed Panel Control

### BOURNS<sup>®</sup>

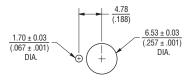
#### **Product Dimensions**

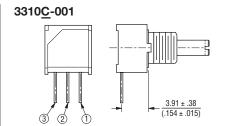


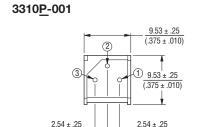




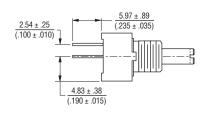
#### MOUNTING HOLE PATTERN



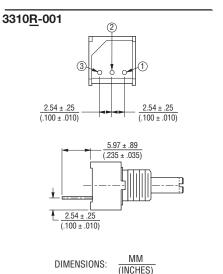


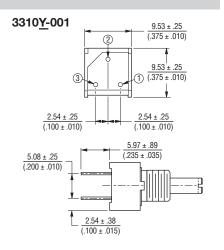


(.100 ± .010)

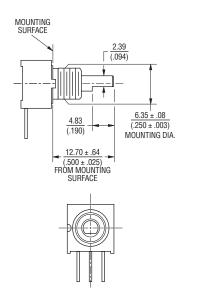


 $\overline{(.100 \pm .010)}$ 





# COMMON DIMENSIONS 3310C-101 Plastic Flatted Shaft



The shaft flat position as shown above is at 50 % of the mechanical travel.

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

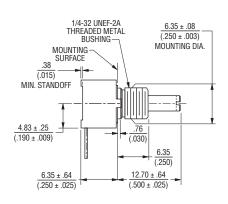
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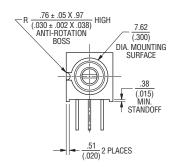
## 3310 - 9 mm Square Sealed Panel Control

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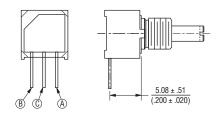
### **Product Dimensions**

### COMMON DIMENSIONS 3310-002 Metal Bushing



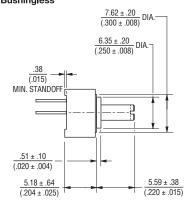


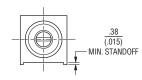
### 3310<u>C</u>-00<u>2</u>



NOTE: \* Only recommended shaft length for bushingless version

#### 3310P-025 \* Bushingless





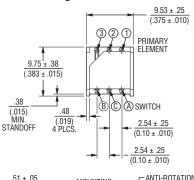
DIMENSIONS: (INCHES)

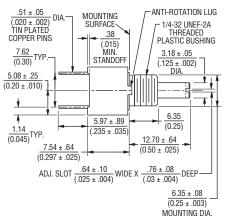
## 3310 - 9 mm Square Sealed Panel Control

### BOURNS

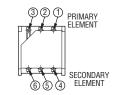
#### **Product Dimensions**

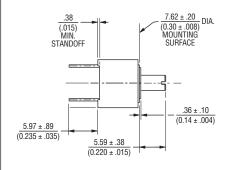
COMMON DIMENSIONS 3310<u>H</u>-003
Pot/Switch Dual Cup
Plastic Bushing



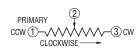


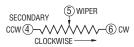
3310<u>H</u>-025\* Pot/Pot Dual Cup Bushingless





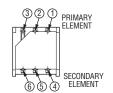
Pot/Pot Dual Cup

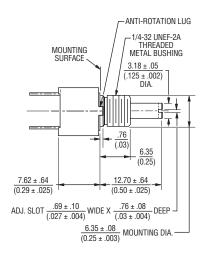




DIMENSIONS:  $\frac{MM}{(INCHES)}$ 

3310<u>H</u>-002 Pot/Pot Dual Cup Metal Bushing





Pot/Switch Dual Cup

Pot Single Cup

NOTE: \* Only recommended shaft length for bushingless version

REV. 07/18

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