

Features

- RoHS compliant*
- Space saving design
- Wide range of resistance values
- Metric shaft and bushing option
- Mounting brackets available
- Linear or audio taper versions

Additional Information

Click these links for more information:







TECHNICAL INVENTORY SAMPLES





PC - "Slimline" 22 mm Square Single Turn Panel Control

Electrical Characteristics ¹	
Standard Resistance Range	
	1 K ohms to 500 K ohms
otal Resistance Tolerance	
ndependent Linearity	±5 %
Absolute Minimum Resistance	5 ohms maximum
ffective Electrical Angle	
Contact Resistance Variation	7 % of total resistance
Dielectric Withstanding Voltage (MIL-STD-202, Method 301)	
Sea Level	1,000 VAC minimum
nsulation Resistance (500 V)	
ower Rating @ 70 °C (Voltage Limited by Power Dissipation or 350 VAC)	
heoretical Resolution	
neoretical nesolution	Essentially milling
Environmental Characteristics	
perating Temperature Range	+1 °C to +125 °C
torage Temperature Range	
emperature Coefficient Over Storage Temperature Range	+1000 ppm/°C
ibration	
	±1 % maximum
	±20 % maximum
hock	
	±1 % maximun
	±20 % maximum
oad Life	
	±10 % maximum
Rotational Life (No Load)	
	±10 ohms or 12 %, whichever is greate
Total Resistance Shift (Audio taper)	±20 % maximum
Contact Resistance Variation	
loisture Resistance	MIL-STD-202, Method 103, Condition E
Total Resistance Shift	±20 % maximum
P Rating	IP 40
Mechanical Characteristics	
top Strength (1/4 " and 6 mm Shaft Diameters)	79.09 N-cm (7 lbin.)
Nechanical Angle	
orque	
Dunning (Undetented)	
Mounting (Orldeterited)	
/eight (Single Section)	
erminals	
oldering Condition	
Manual Soldering	96.5Sn/3.0Ag/0.5Cu solid wire or no-clean rosin cored wire
	370 °C (700 °F) max. for 3 seconds
Wave Soldering	96.5Sn/3.0Ag/0.5Cu solder with no-clean flux
	260 °C (500 °F) max. for 5 seconds
Wash processes	
larking	
langing	I cup maximum
GangingOne lockwasher (H-3 PetentsOne lockwasher (H-3	7-2) and one mounting nut (H-38-11) is shipped with each potentiometer

FOR ORDERING INFORMATION SEE PAGE 4.



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

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

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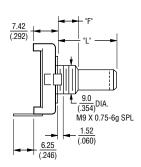
¹ Electrical specifications tested at 200 RPM, at room ambient: +25 °C nominal.

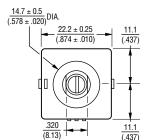
PC – "Slimline" 22 mm Square Single Turn Panel Control

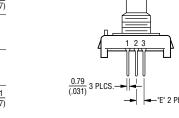
BOURNS

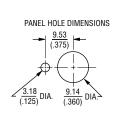
Product Dimensions

Axial PC Pins







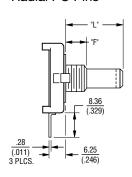


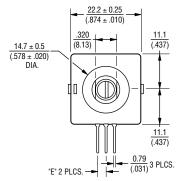
"F" =
$$\frac{6.35}{(.250)}$$
 OR $\frac{9.53}{(.375)}$

"E" =
$$\frac{2.54}{(.100)}$$
 OR $\frac{5.08}{(.200)}$

"L" = SEE SHAFT LENGTH TABLE

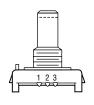
Radial PC Pins

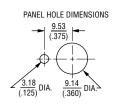






"L" = SEE SHAFT LENGTH TABLE



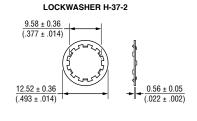


MM **DIMENSIONS:** (INCHES)

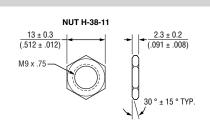
TOLERANCES EXCEPT WHERE NOTED:
$$.XX = \pm \frac{.25}{(.010)}$$

$$.XXX = \pm \frac{.13}{(.005)}$$

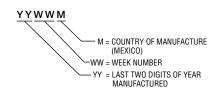
Hardware







Date Code Description



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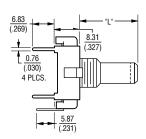
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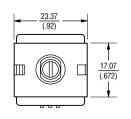
PC – "Slimline" 22 mm Square Single Turn Panel Control

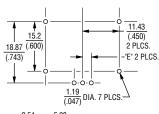
BOURNS®

Product Dimensions

Axial PC PINS With Rear Mounting Bracket

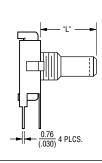


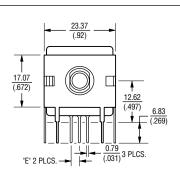


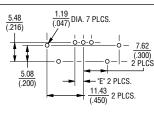


"E" =
$$\frac{2.54}{(.100)}$$
 OR $\frac{5.08}{(.200)}$

Radial PC PINS With Side Mounting Bracket

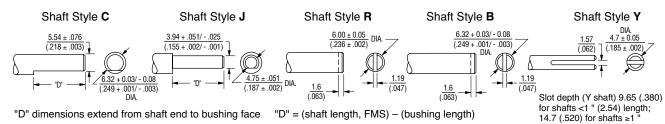




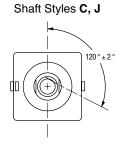


"E" = $\frac{2.54}{(.100)}$ OR $\frac{5.08}{(.200)}$

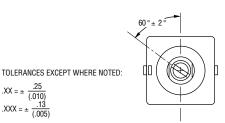
SHAFT STYLES AND ORIENTATION (Full CCW Rotation)



Shaft Orientations

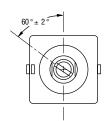


Shaft Styles B, R



Shaft Style Y

(2.54) length



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

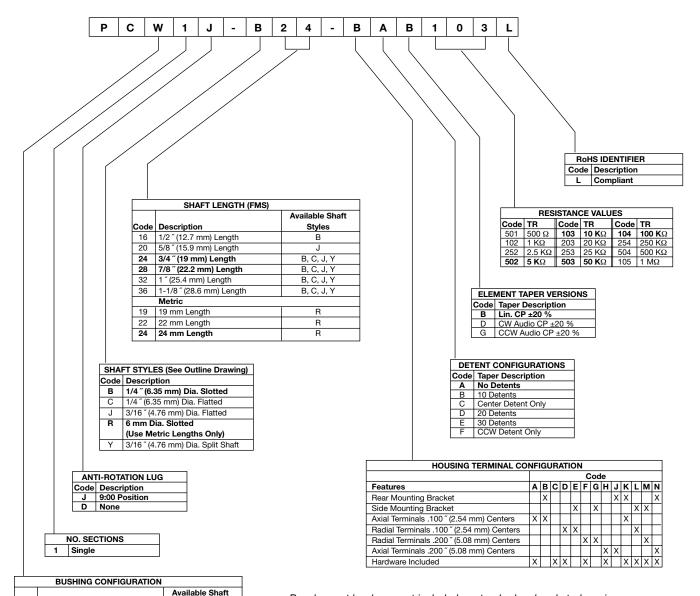
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How to Order PC "Slimline" Panel Controls

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Panel mount hardware not included as standard on bracketed versions. The sample part number demonstrates the identification code for Bourns Slimline Potentiometers. The part number shown is a commonly used model, typically available from stock.

Boldface features are Bourns standard options. All others are available with higher minimum order quantities.

BOURNS®

9 mm x .250 " (6.35 mm) Length

Threaded M9 x 0.75 6g 5 Pl 9 mm x .375 " (9.53 mm) Length

Threaded M9 x 0.75 6g 5 PI

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EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com

The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

Styles

B, C, R

www.bourns.com

Code Description

REV. 06/21

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