

#### **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**







TECHNICAL INVENTORY SAMPLES





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

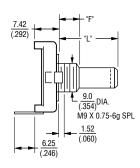
Electrical Characteristics <sup>1</sup>	
Standard Resistance Range	
	1 K ohms to 500 K ohm
otal Resistance Tolerance	±20 °
ndependent Linearity	±5°
'	5 ohms maximui
	270 ° ± 5
Dielectric Withstanding Voltage (MIL-STD-202	
	1,000 ohms minimur
	wer Dissipation or 350 VAC, Whichever is Less)
	Essentially infinit
neoretical nesolution	ESSERIUARY ITHIRIT
Environmental Characteristics	
Derating Temperature Range	+1 °C to +125 °C
Storage Temperature Range	40 °C to +125 °C
	ature Range±1000 ppm/°0
	20
Total Resistance Shift	±1 % maximui
Voltage Ratio Shift	±20 % maximu
· ·	50
	±1 % maximui
	±20 % maximui
oad Life	
	±10 % maximur
	50,000 cycle
,	±10 ohms or 12 %, whichever is greate
	±20 % maximur
Contact Desistance Variation	±20 % maximur ±5 % maximur
	MIL-STD-202, Method 103, Condition
	±20 % maximur IP 4
rating	IF 4
Mechanical Characteristics	
	s)
3	300 ° ± 5
orque	0.5 4.5 N
•	
	PC pi
Soldering Condition	
Manual Soldering	96.5Sn/3.0Ag/0.5Cu solid wire or no-clean rosin cored wir
	370 °C (700 °F) max. for 3 second
Wave Soldering	
•	260 °C (500 °F) max. for 5 second
Wash processes	
Marking	
Ganging	1 cup maximun
Ganging Hardware	One lockwasher (H-37-2) and one mounting nut (H-38-11) is shipped with each potentiomete

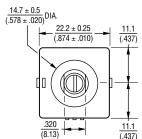


<sup>&</sup>lt;sup>1</sup> Electrical specifications tested at 200 RPM, at room ambient: +25 °C nominal.

#### **Product Dimensions**

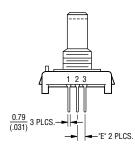
#### Axial PC Pins

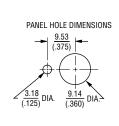




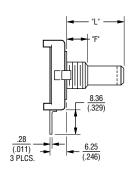


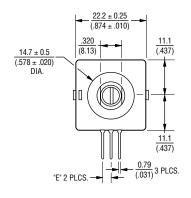
"L" = SEE SHAFT LENGTH TABLE



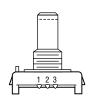


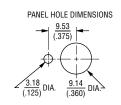
Radial PC Pins



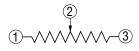






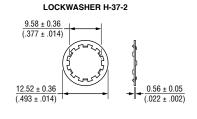


MM **DIMENSIONS:** (INCHES)

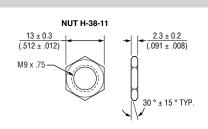


TOLERANCES EXCEPT WHERE NOTED: 
$$.XX = \pm \frac{.25}{(.010)}$$
 
$$.XXX = \pm \frac{.13}{(.005)}$$

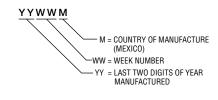
#### Hardware



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

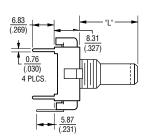


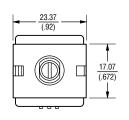
#### **Date Code Description**

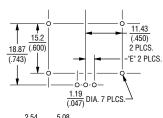


#### **Product Dimensions**

Axial PC PINS With Rear Mounting Bracket

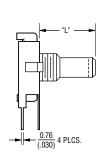


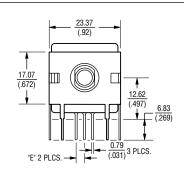


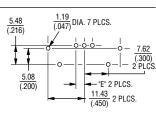


"E" =  $\frac{2.54}{(.100)}$  OR  $\frac{5.08}{(.200)}$ 

Radial PC PINS With Side Mounting Bracket

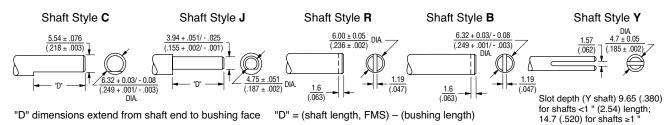




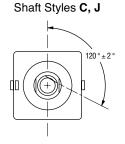


"E" =  $\frac{2.54}{(.100)}$  OR  $\frac{5.08}{(.200)}$ 

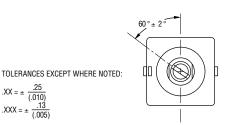
### SHAFT STYLES AND ORIENTATION (Full CCW Rotation)



Shaft Orientations

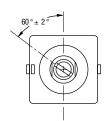


Shaft Styles B, R

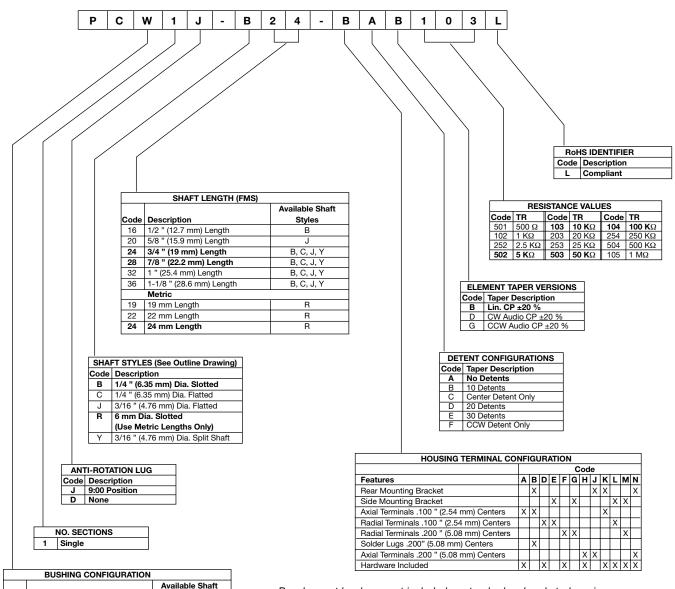


Shaft Style Y

(2.54) length



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



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

Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

Styles

B, C, R

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

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

www.bourns.com

Code Description

REV. 07/21

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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PCW1D-C24-BAB502 PCW1J-B24-AEB501 PCW1J-B24-AEB503 PCW1J-B24-CCB103 PCW1J-B24-CCB104
PCW1J-B24-CCB102 PCW1J-B28-CCB103 PCW1J-B36-BAB254 PCW1J-B24-BAB203 PCW1D-B24-CEB105
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PCW1J-B28-BAB102 PCW1J-B24-BAB102 PCW1J-B28-BAB104 PCL1D-B24-CAB103 PCW1J-B28-BAB103
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PCW1D-B24-BCB502 PCW1J-B24-BCD103 PCW1D-C24-BEB105 PCW1J-R24-CAB102 PCW1J-R24-CAB104
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