

Features

- RoHS compliant*
- Space saving design
- Wide range of resistance values
- PC pin or solder lug terminals
- Metric shaft and bushing option
- Mounting brackets available

■ Linear or audio taper versions

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

Electrical Characteristics ¹	
Standard Resistance Range	
	500 ohms to 1 megohr
	1 K ohms to 500 K ohms
	±20 %
	±5 %
	5 ohms maximum
Effective Electrical Angle	270°±5°
Dielectric Withstanding Voltage (MIL-STD-202,	
Sea Level	
Power Rating @ 70 °C (Voltage Limited by Pow	er Dissipation or 350 VAC, Whichever is Less)
Linear	
Audio	
Theoretical Resolution	
	,
Environmental Characteristics	
	+1 °C to +125 °C
Storage Temperature Range	-40 °C to +125 °C
	ure Range±1000 ppm/°C
	20 G
	±1 % maximum
	±20 % maximum
Shock	50 G
	±1 % maximum
	±20 % maximum
	1,000 Hours @ Rated Power, 20 % RH, 70 °C
Total Resistance Shift	±10 % maximum
	50,000 cycles
	±10 ohms or 12 %, whichever is greater
	±20 % maximum
Contact Resistance Variation	±5 % maximum
Moisture Resistance	
Total Resistance Shift	±20 % maximum
IP Rating	IP 40
Mechanical Characteristics	
	70 00 N /7 lb. :)
Manhariaal Angla	
Torque	0.5.4.5.N vvv (0.75.0.05 v vv.)
Weight (Single Section)	
	PC pin or solder lug
Soldering Condition	
Managari Calalaninan	
Manual Soldering	070 00 (700 0F) (0 1
Wave Soldering	
Wave Soldering	96.5Sn/3.0Ag/0.5Cu solder with no-clean flux 260 °C (500 °F) max. for 5 seconds Not recommended
Wave Soldering	96.5Sn/3.0Ag/0.5Cu solder with no-clean flux 260 °C (500 °F) max. for 5 seconds Not recommended
Wave Soldering Wash processes Marking	96.5Sn/3.0Ag/0.5Ĉu solder with no-clean flux 260 °C (500 °F) max. for 5 seconds Not recommended Manufacturer's trademark, resistance value, part number, and date code
Wave Soldering Wash processes Marking	370 °C (700 °F) max. for 3 seconds 96.5Sn/3.0Ag/0.5Cu solder with no-clean flux 260 °C (500 °F) max. for 5 seconds



FOR ORDERING INFORMATION SEE PAGE 4.

 $^{^{\}rm 1}$ Electrical specifications tested at 200 RPM, at room ambient: +25 $^{\rm o}{\rm C}$ nominal.

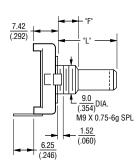
^{*}RoHS Directive 2015/863, Mar 31, 2015 and Annex.

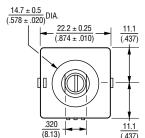
PC - "Slimline" 22 mm Square Single-Turn Panel Control

BOURNS

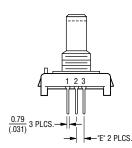
Product Dimensions

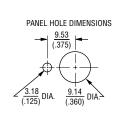
Axial PC Pins



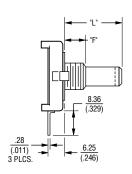


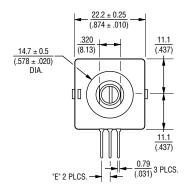




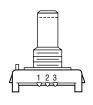


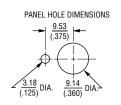
Radial PC Pins



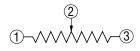








DIMENSIONS: $\frac{MM}{(INCHES)}$

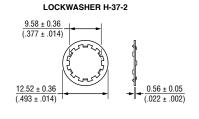


TOLERANCES EXCEPT WHERE NOTED:

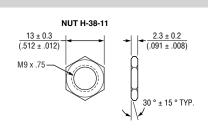
$$.XX = \pm \frac{.25}{(.010)}$$

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

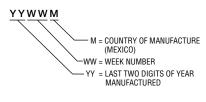
Hardware



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



Date Code Description



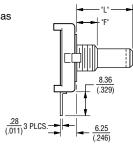
PC - "Slimline" 22 mm Square Single-Turn Panel Control

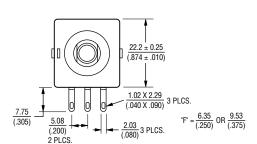
BOURNS

Product Dimensions

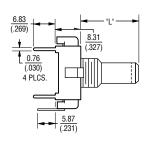
SOLDER LUGS

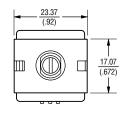
(Dimensions not given are the same as Axial PC pins.

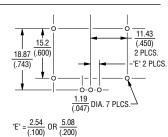




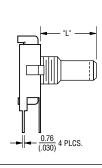
Axial PC PINS With Rear Mounting Bracket

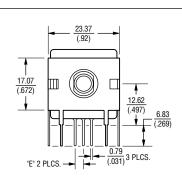


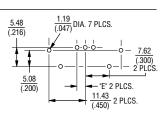




Radial PC PINS With Side Mounting Bracket

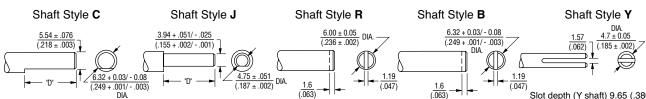






"E" = $\frac{2.54}{(.100)}$ OR $\frac{5.08}{(.200)}$

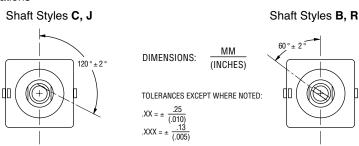
SHAFT STYLES AND ORIENTATION (Full CCW Rotation)

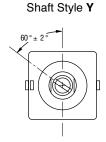


"D" dimensions extend from shaft end to bushing face "D" = (shaft length, FMS) - (bushing length)

Slot depth (Y shaft) 9.65 (.380) for shafts <1 " (2.54) length; 14.7 (.520) for shafts ≥1 " (2.54) length

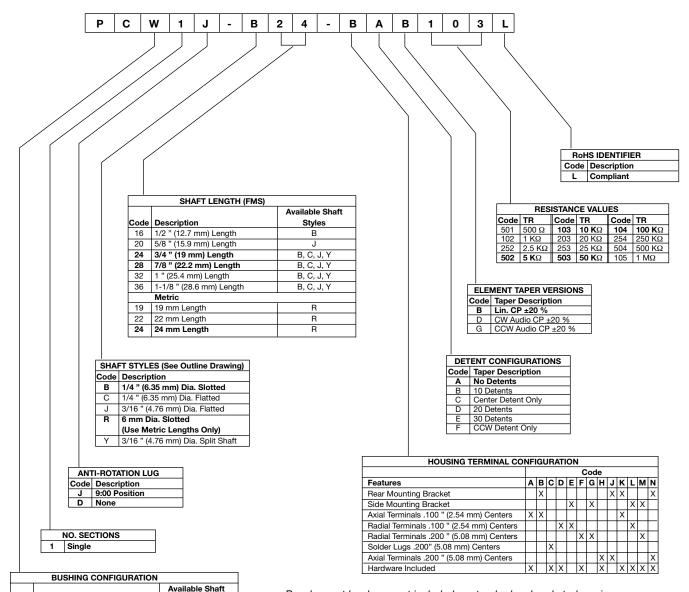
Shaft Orientations





Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.



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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Styles

B, C, R

www.bourns.com

Code Description

REV. 10/20

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Users should verify actual device performance in their specific applications.

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