

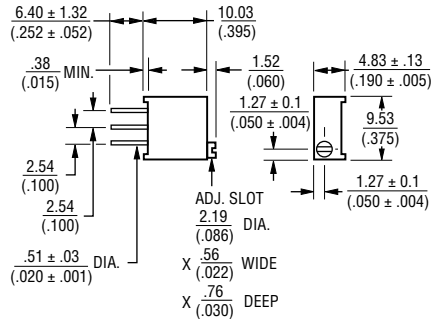
## Features

- Multiturn / Cermet / Sealed
- Available in both top and side adjustment
- Units can be pre-adjusted at clockwise, counter-clockwise or standard 50 % position
- Standoffs allow thorough PC board washing
- Chevron seal design
- RoHS compliant\*
- For trimmer applications/processing guidelines, [click here](#)

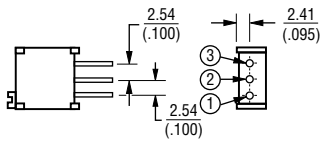
## PV36 Series – Lead Sealed Type Multiturn Trimming Potentiometer

### Product Dimensions

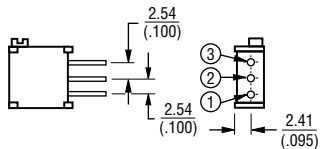
#### Common Dimensions



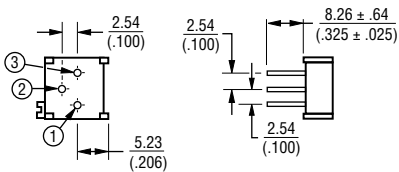
#### PV36W



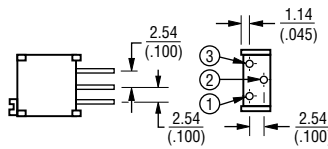
#### PV36X



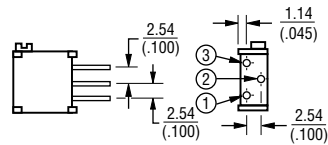
#### PV36P



#### PV36Y



#### PV36Z



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

TOLERANCES:  $\pm \frac{0.3}{(.012)}$  EXCEPT WHERE NOTED

### Additional Information

Click these links for more information:



### Environmental Characteristics

#### Temperature Cycle

$\Delta$ TR .....  $\pm 2\%$   
 $\Delta$ V.S.S. ....  $\pm 1\%$

#### Humidity

.....  $\pm 2\%$   $\Delta$ TR; 100 megohms IR min.

Vibration ... 20 G (1%  $\Delta$ TR; 1%  $\Delta$ V.S.S.)

Shock..... 100 G (1%  $\Delta$ TR; 1%  $\Delta$ V.S.S.)

#### Temperature Load Life

..... 3%  $\Delta$ TR; 1%  $\Delta$ V.S.S.

#### Low Temperature Exposure

..... 2%  $\Delta$ TR; 1%  $\Delta$ V.S.S.

#### High Temperature Exposure

..... 3%  $\Delta$ TR; 1%  $\Delta$ V.S.S.

#### Rotational Life

RV1K ohm, RU500K ohm .....  $\pm 5\%$   $\Delta$ TR

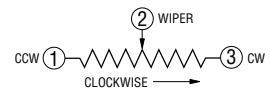
1K ohm FRF500K ohm .....  $\pm 3\%$   $\Delta$ TR

$\Delta$ TR: Total Resistance Change

$\Delta$ V.S.S.: Voltage Setting Stability

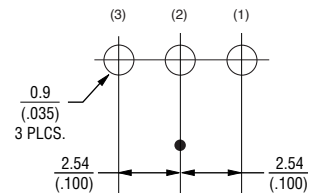
IR: Insulation Resistance

### Schematic

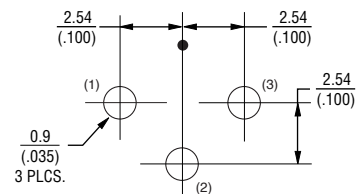


### Recommended PCB Layout

#### PV36W & PV36X



#### PV36Y, PV36Z & PV36P



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

TOLERANCES:  $\pm \frac{0.1}{(.004)}$  EXCEPT WHERE NOTED



**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

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

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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# PV36 Series – Lead Sealed Type Multiturn Trimming Potentiometer



## Electrical Characteristics

Model Number	Power Rating @ 70 °C (W)	Number of Turns (Effective Rotation Angle)	Total Resistance Value (Ω)	Resistance Tolerance	TCR (ppm/°C)
PV36x100C01B00	0.5	25	10	±10 %	±150
PV36x200C01B00			20		
PV36x500C01B00			50		
PV36x101C01B00			100		
PV36x201C01B00			200		
PV36x501C01B00			500		±100
PV36x102C01B00			1k		
PV36x202C01B00			2k		
PV36x502C01B00			5k		
PV36x103C01B00			10k		
PV36x203C01B00			20k		
PV36x253C01B00			25k		
PV36x503C01B00			50k		
PV36x104C01B00			100k		
PV36x204C01B00			200k		
PV36x254C01B00			250k		
PV36x504C01B00			500k		
PV36x105C01B00			1M		
PV36x205C01B00			2M		

Operating Temperature Range: -55 to +125 °C

Soldering Method: Wave (Single and Dual)

"x" denotes Adjustment Direction and Lead Type (Top or Side Direction, Inline or Triangle Lead)

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# PV36 Series – Lead Sealed Type Multiturn Trimming Potentiometer

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## Typical Part Marking

### 3-Digit Date Code and Manufacturing Code

- First digit indicates year of manufacture;
- Last two digits indicate week of manufacture;
- 4th digit is suffix for manufacturing location:  
C = Costa Rica

EX: 604C = Manufactured in 2016, week 4, Costa Rica

### Resistance Code

- Resistance code marking as shown in the Standard Resistance Table.

## How To Order

**PV 36 W 103 C01 B00**

Product ID \_\_\_\_\_  
PV = Trimming Potentiometer

Series \_\_\_\_\_  
36 = Lead Sealed  
10 mm Square, 25-turns

Adjustment Direction/  
Lead Type \_\_\_\_\_  
W = Top, Inline  
X = Side, Inline  
Y = Top, Triangle  
Z = Top, Triangle  
P = Side, Triangle

Resistance Code \_\_\_\_\_  
See Standard Resistance Table

Individual Specification \_\_\_\_\_  
C01 = Standard Type

Packaging \_\_\_\_\_  
B00 = Tube (50 pcs. per tube)

## Standard Resistance Table

Resistance (Ohms)	Resistance Code
<b>10</b>	<b>100</b>
<b>20</b>	<b>200</b>
<b>50</b>	<b>500</b>
<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>25,000</b>	<b>253</b>
<b>50,000</b>	<b>503</b>
<b>100,000</b>	<b>104</b>
<b>200,000</b>	<b>204</b>
<b>250,000</b>	<b>254</b>
<b>500,000</b>	<b>504</b>
<b>1,000,000</b>	<b>105</b>
<b>2,000,000</b>	<b>205</b>

Popular distribution values listed in **boldface**.  
Special resistances available.

**BOURNS®**

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