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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Trimmer Potentiometers



## Lead Sealed Type Multiturn PV37 Series

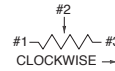
### PV37 Series

#### Features

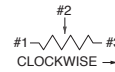
1. Multiturn / Cermet / Sealed
2. Available in both top and side adjustment
3. Standoffs allow thorough PC board washing
4. RoHS compliant\*
5. For trimmer applications/processing guidelines, [click here](#)



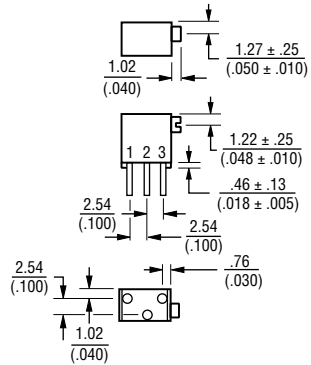
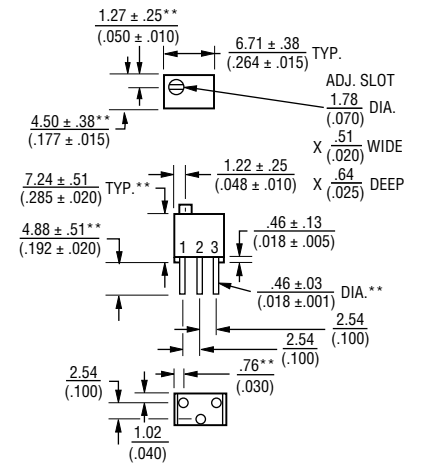
PV37W



PV37X



#### COMMON DIMENSIONS\*\*



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

TOLERANCES: ±  $\frac{.025}{(.010)}$  EXCEPT WHERE NOTED

### Top Adjustment

Part Number	Power Rating (W)	Number of Turns (Effective Rotation Angle)	Total Resistance Value	TCR (ppm/°C)
PV37W100C01B00	0.25 (85 °C)	12	10 ohm ±10 %	±150
PV37W101C01B00	0.25 (85 °C)	12	100 ohm ±10 %	±150
PV37W201C01B00	0.25 (85 °C)	12	200 ohm ±10 %	±150
PV37W501C01B00	0.25 (85 °C)	12	500 ohm ±10 %	±150
PV37W102C01B00	0.25 (85 °C)	12	1k ohm ±10 %	±150
PV37W202C01B00	0.25 (85 °C)	12	2k ohm ±10 %	±150
PV37W502C01B00	0.25 (85 °C)	12	5k ohm ±10 %	±150
PV37W103C01B00	0.25 (85 °C)	12	10k ohm ±10 %	±150
PV37W203C01B00	0.25 (85 °C)	12	20k ohm ±10 %	±150
PV37W253C01B00	0.25 (85 °C)	12	25k ohm ±10 %	±150
PV37W503C01B00	0.25 (85 °C)	12	50k ohm ±10 %	±150
PV37W104C01B00	0.25 (85 °C)	12	100k ohm ±10 %	±150
PV37W204C01B00	0.25 (85 °C)	12	200k ohm ±10 %	±150
PV37W254C01B00	0.25 (85 °C)	12	250k ohm ±10 %	±150
PV37W504C01B00	0.25 (85 °C)	12	500k ohm ±10 %	±150
PV37W105C01B00	0.25 (85 °C)	12	1M ohm ±10 %	±150

Operating Temperature Range: -55 to +125 °C  
Soldering Method: Wave (Single and Dual)



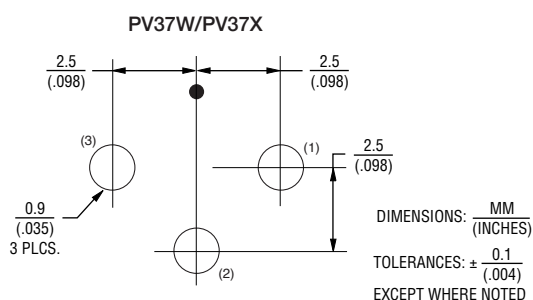
\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.  
Specifications are subject to change without notice.  
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.  
Users should verify actual device performance in their specific applications.

## Side Adjustment

Part Number	Power Rating (W)	Number of Turns (Effective Rotation Angle)	Total Resistance Value	TCR (ppm/°C)
PV37X100C01B00	0.25 (85 °C)	12	10 ohm ±10 %	±150
PV37X101C01B00	0.25 (85 °C)	12	100 ohm ±10 %	±150
PV37X201C01B00	0.25 (85 °C)	12	200 ohm ±10 %	±150
PV37X501C01B00	0.25 (85 °C)	12	500 ohm ±10 %	±150
PV37X102C01B00	0.25 (85 °C)	12	1k ohm ±10 %	±150
PV37X202C01B00	0.25 (85 °C)	12	2k ohm ±10 %	±150
PV37X502C01B00	0.25 (85 °C)	12	5k ohm ±10 %	±150
PV37X103C01B00	0.25 (85 °C)	12	10k ohm ±10 %	±150
PV37X203C01B00	0.25 (85 °C)	12	20k ohm ±10 %	±150
PV37X253C01B00	0.25 (85 °C)	12	25k ohm ±10 %	±150
PV37X503C01B00	0.25 (85 °C)	12	50k ohm ±10 %	±150
PV37X104C01B00	0.25 (85 °C)	12	100k ohm ±10 %	±150
PV37X204C01B00	0.25 (85 °C)	12	200k ohm ±10 %	±150
PV37X254C01B00	0.25 (85 °C)	12	250k ohm ±10 %	±150
PV37X504C01B00	0.25 (85 °C)	12	500k ohm ±10 %	±150
PV37X105C01B00	0.25 (85 °C)	12	1M ohm ±10 %	±150

Operating Temperature Range: -55 to +125 °C  
Soldering Method: Wave (Single and Dual)

### Standard Mounting Holes



### Characteristics

Temperature Cycle	ΔTR : ±1% ΔV.S.S.: ±1%
Humidity	ΔTR : ±2% IR : 100M ohm min.
Vibration (20G)	ΔTR : ±1% ΔV.S.S.: ±1%
Shock (100G)	ΔTR : ±1% ΔV.S.S.: ±1%
Temperature Load Life	ΔTR : ±2% ΔV.S.S.: ±1%
Low Temperature Exposure	ΔTR : ±1% ΔV.S.S.: ±1%
High Temperature Exposure	ΔTR : ±2% ΔV.S.S.: ±1%
Rotational Life	ΔTR : RV 100 ohm ... ±3% RG 100 ohm ... ±2% (200 cycles)

ΔTR : Total Resistance Change  
ΔV.S.S.: Voltage Setting Stability  
IR : Insulation Resistance  
R : Standard Total Resistance

# BOURNS®

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Users should verify actual device performance in their specific applications.

### Part Numbering

Product ID PV 37 W 103 C01 B00  
 PV = Trimming Potentiometer  
 Series 37 = Lead Sealed 6 mm Square 12-Turns  
 Adjustment Direction/Lead Type W = Top, Triangle  
X = Side, Triangle  
 Total Resistance 103  
 Expressed by three figures.  
 The first and second figures are significant digits;  
 the third figure expresses the number of zeros  
 that follow.

Resistance (Ohms)	Resistance Code
10	100
100	101
200	201
500	501
<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>
25,000	253
50,000	503
100,000	104
200,000	204
250,000	254
500,000	504
1,000,000	105

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

Individual Specification C01 = Standard Type  
 Packaging B00 = Tube (50 pcs. per tube)

### 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

Example:

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

#### Resistance Code

- Resistance code marking as shown in the Part Numbering Resistance Table.