

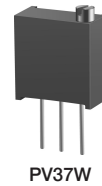
# Trimmer Potentiometers

## Lead Sealed Type Multiturn PV37 Series

### PV37 Series

#### Features

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

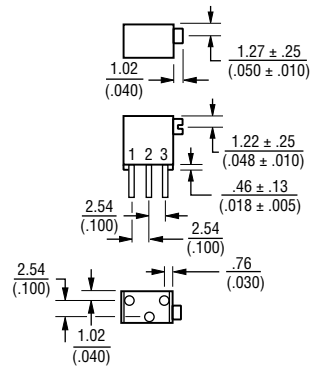
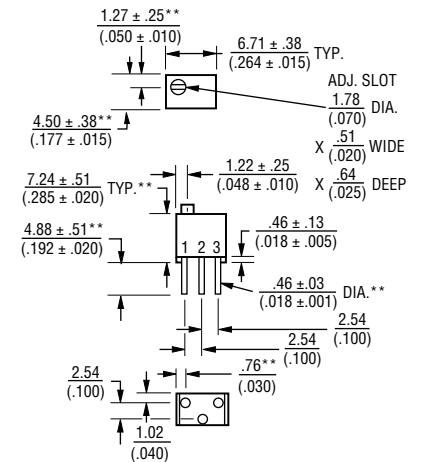


PV37W  
#2  
#1 ~ #3  
CLOCKWISE →



PV37X  
#2  
#1 ~ #3  
CLOCKWISE →

#### COMMON DIMENSIONS\*\*



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

TOLERANCES: ±  $\frac{0.25}{(.010)}$  EXCEPT WHERE NOTED

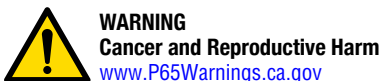
### Top Adjustment

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 2015/863, Mar. 31, 2015 and Annex.  
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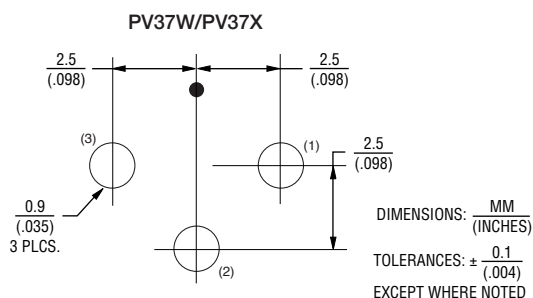


## Side Adjustment

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

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### Standard Mounting Holes



### Characteristics

Temperature Cycle	$\Delta TR$ : ±1% $\Delta V.S.S.$ : ±1%
Humidity	$\Delta TR$ : ±2% IR : 100M ohm min.
Vibration (20G)	$\Delta TR$ : ±1% $\Delta V.S.S.$ : ±1%
Shock (100G)	$\Delta TR$ : ±1% $\Delta V.S.S.$ : ±1%
Temperature Load Life	$\Delta TR$ : ±2% $\Delta V.S.S.$ : ±1%
Low Temperature Exposure	$\Delta TR$ : ±1% $\Delta V.S.S.$ : ±1%
High Temperature Exposure	$\Delta TR$ : ±2% $\Delta V.S.S.$ : ±1%
Rotational Life	$\Delta TR$ : RV100 ohm ... ±3% RG100 ohm ... ±2% (200 cycles)

$\Delta TR$  : Total Resistance Change  
 $\Delta V.S.S.$ : Voltage Setting Stability  
IR : Insulation Resistance  
R : Standard Total Resistance

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### Part Numbering

**PV 37 W 103 C01 B00**

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

Series \_\_\_\_\_  
37 = Lead Sealed 6 mm Square 12-Turns

Adjustment Direction/Lead Type \_\_\_\_\_  
W = Top, Triangle  
X = Side, Triangle

Total Resistance \_\_\_\_\_  
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*.

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