

Trimmer Potentiometers

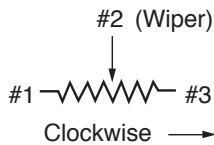


Lead Sealed Type Multiturn PV36 Series

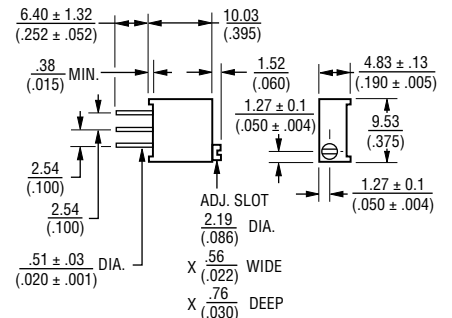
PV36 Series

Features

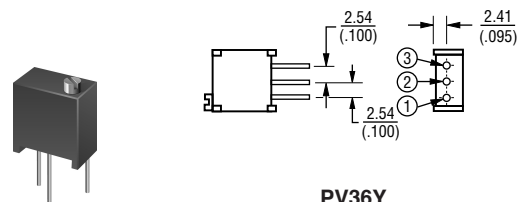
1. Multiturn / Cermet / Sealed
2. Available in both top and side adjustment
3. Units can be pre-adjusted at clockwise, counter-clockwise or standard 50 % position
4. Standoffs allow thorough PC board washing
5. Chevron seal design
6. RoHS compliant*
7. For trimmer applications/processing guidelines,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



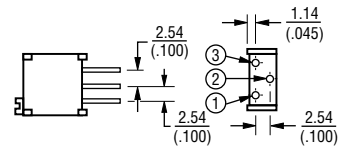
COMMON DIMENSIONS



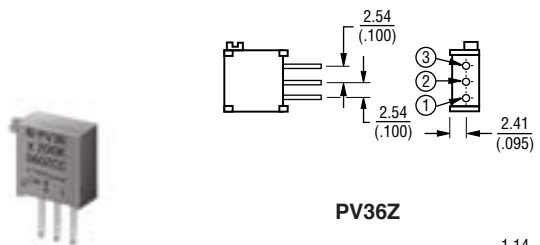
PV36W



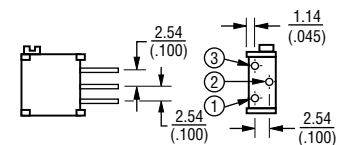
PV36Y



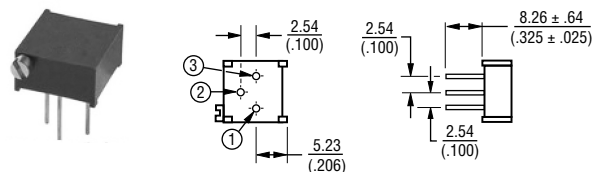
PV36X



PV36Z



PV36P



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

TOLERANCES: $\pm \frac{0.25}{(0.010)}$ EXCEPT WHERE NOTED



WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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

| Part Number | Power Rating (W) | Number of Turns (Effective Rotation Angle) | Total Resistance Value | TCR (ppm/°C) |
|----------------|------------------|--|------------------------|--------------|
| PV36W100C01B00 | 0.5 (70 °C) | 25 | 10 ohm ±10 % | ±150 |
| PV36W200C01B00 | 0.5 (70 °C) | 25 | 20 ohm ±10 % | ±150 |
| PV36W500C01B00 | 0.5 (70 °C) | 25 | 50 ohm ±10 % | ±150 |
| PV36W101C01B00 | 0.5 (70 °C) | 25 | 100 ohm ±10 % | ±150 |
| PV36W201C01B00 | 0.5 (70 °C) | 25 | 200 ohm ±10 % | ±100 |
| PV36W501C01B00 | 0.5 (70 °C) | 25 | 500 ohm ±10 % | ±100 |
| PV36W102C01B00 | 0.5 (70 °C) | 25 | 1k ohm ±10 % | ±100 |
| PV36W202C01B00 | 0.5 (70 °C) | 25 | 2k ohm ±10 % | ±100 |
| PV36W502C01B00 | 0.5 (70 °C) | 25 | 5k ohm ±10 % | ±100 |
| PV36W103C01B00 | 0.5 (70 °C) | 25 | 10k ohm ±10 % | ±100 |
| PV36W203C01B00 | 0.5 (70 °C) | 25 | 20k ohm ±10 % | ±100 |
| PV36W253C01B00 | 0.5 (70 °C) | 25 | 25k ohm ±10 % | ±100 |
| PV36W503C01B00 | 0.5 (70 °C) | 25 | 50k ohm ±10 % | ±100 |
| PV36W104C01B00 | 0.5 (70 °C) | 25 | 100k ohm ±10 % | ±100 |
| PV36W204C01B00 | 0.5 (70 °C) | 25 | 200k ohm ±10 % | ±100 |
| PV36W254C01B00 | 0.5 (70 °C) | 25 | 250k ohm ±10 % | ±100 |
| PV36W504C01B00 | 0.5 (70 °C) | 25 | 500k ohm ±10 % | ±100 |
| PV36W105C01B00 | 0.5 (70 °C) | 25 | 1M ohm ±10 % | ±100 |
| PV36W205C01B00 | 0.5 (70 °C) | 25 | 2M ohm ±10 % | ±100 |

| | | | | |
|----------------|-------------|----|----------------|------|
| PV36Y100C01B00 | 0.5 (70 °C) | 25 | 10 ohm ±10 % | ±150 |
| PV36Y200C01B00 | 0.5 (70 °C) | 25 | 20 ohm ±10 % | ±150 |
| PV36Y500C01B00 | 0.5 (70 °C) | 25 | 50 ohm ±10 % | ±150 |
| PV36Y101C01B00 | 0.5 (70 °C) | 25 | 100 ohm ±10 % | ±150 |
| PV36Y201C01B00 | 0.5 (70 °C) | 25 | 200 ohm ±10 % | ±100 |
| PV36Y501C01B00 | 0.5 (70 °C) | 25 | 500 ohm ±10 % | ±100 |
| PV36Y102C01B00 | 0.5 (70 °C) | 25 | 1k ohm ±10 % | ±100 |
| PV36Y202C01B00 | 0.5 (70 °C) | 25 | 2k ohm ±10 % | ±100 |
| PV36Y502C01B00 | 0.5 (70 °C) | 25 | 5k ohm ±10 % | ±100 |
| PV36Y103C01B00 | 0.5 (70 °C) | 25 | 10k ohm ±10 % | ±100 |
| PV36Y203C01B00 | 0.5 (70 °C) | 25 | 20k ohm ±10 % | ±100 |
| PV36Y253C01B00 | 0.5 (70 °C) | 25 | 25k ohm ±10 % | ±100 |
| PV36Y503C01B00 | 0.5 (70 °C) | 25 | 50k ohm ±10 % | ±100 |
| PV36Y104C01B00 | 0.5 (70 °C) | 25 | 100k ohm ±10 % | ±100 |
| PV36Y204C01B00 | 0.5 (70 °C) | 25 | 200k ohm ±10 % | ±100 |
| PV36Y254C01B00 | 0.5 (70 °C) | 25 | 250k ohm ±10 % | ±100 |
| PV36Y504C01B00 | 0.5 (70 °C) | 25 | 500k ohm ±10 % | ±100 |
| PV36Y105C01B00 | 0.5 (70 °C) | 25 | 1M ohm ±10 % | ±100 |
| PV36Y205C01B00 | 0.5 (70 °C) | 25 | 2M ohm ±10 % | ±100 |

Operating Temperature Range: -55 to +125 °C

Soldering Method: Wave (Single and Dual)

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Side Adjustment

| Part Number | Power Rating (W) | Number of Turns (Effective Rotation Angle) | Total Resistance Value | TCR (ppm/°C) |
|----------------|------------------|--|------------------------|--------------|
| PV36X100C01B00 | 0.5 (70 °C) | 25 | 10 ohm ±10 % | ±150 |
| PV36X200C01B00 | 0.5 (70 °C) | 25 | 20 ohm ±10 % | ±150 |
| PV36X500C01B00 | 0.5 (70 °C) | 25 | 50 ohm ±10 % | ±150 |
| PV36X101C01B00 | 0.5 (70 °C) | 25 | 100 ohm ±10 % | ±150 |
| PV36X201C01B00 | 0.5 (70 °C) | 25 | 200 ohm ±10 % | ±100 |
| PV36X501C01B00 | 0.5 (70 °C) | 25 | 500 ohm ±10 % | ±100 |
| PV36X102C01B00 | 0.5 (70 °C) | 25 | 1k ohm ±10 % | ±100 |
| PV36X202C01B00 | 0.5 (70 °C) | 25 | 2k ohm ±10 % | ±100 |
| PV36X502C01B00 | 0.5 (70 °C) | 25 | 5k ohm ±10 % | ±100 |
| PV36X103C01B00 | 0.5 (70 °C) | 25 | 10k ohm ±10 % | ±100 |
| PV36X203C01B00 | 0.5 (70 °C) | 25 | 20k ohm ±10 % | ±100 |
| PV36X253C01B00 | 0.5 (70 °C) | 25 | 25k ohm ±10 % | ±100 |
| PV36X503C01B00 | 0.5 (70 °C) | 25 | 50k ohm ±10 % | ±100 |
| PV36X104C01B00 | 0.5 (70 °C) | 25 | 100k ohm ±10 % | ±100 |
| PV36X204C01B00 | 0.5 (70 °C) | 25 | 200k ohm ±10 % | ±100 |
| PV36X254C01B00 | 0.5 (70 °C) | 25 | 250k ohm ±10 % | ±100 |
| PV36X504C01B00 | 0.5 (70 °C) | 25 | 500k ohm ±10 % | ±100 |
| PV36X105C01B00 | 0.5 (70 °C) | 25 | 1M ohm ±10 % | ±100 |
| PV36X205C01B00 | 0.5 (70 °C) | 25 | 2M ohm ±10 % | ±100 |

| | | | | |
|----------------|-------------|----|----------------|------|
| PV36P100C01B00 | 0.5 (70 °C) | 25 | 10 ohm ±10 % | ±150 |
| PV36P200C01B00 | 0.5 (70 °C) | 25 | 20 ohm ±10 % | ±150 |
| PV36P500C01B00 | 0.5 (70 °C) | 25 | 50 ohm ±10 % | ±150 |
| PV36P101C01B00 | 0.5 (70 °C) | 25 | 100 ohm ±10 % | ±150 |
| PV36P201C01B00 | 0.5 (70 °C) | 25 | 200 ohm ±10 % | ±100 |
| PV36P501C01B00 | 0.5 (70 °C) | 25 | 500 ohm ±10 % | ±100 |
| PV36P102C01B00 | 0.5 (70 °C) | 25 | 1k ohm ±10 % | ±100 |
| PV36P202C01B00 | 0.5 (70 °C) | 25 | 2k ohm ±10 % | ±100 |
| PV36P502C01B00 | 0.5 (70 °C) | 25 | 5k ohm ±10 % | ±100 |
| PV36P103C01B00 | 0.5 (70 °C) | 25 | 10k ohm ±10 % | ±100 |
| PV36P203C01B00 | 0.5 (70 °C) | 25 | 20k ohm ±10 % | ±100 |
| PV36P253C01B00 | 0.5 (70 °C) | 25 | 25k ohm ±10 % | ±100 |
| PV36P503C01B00 | 0.5 (70 °C) | 25 | 50k ohm ±10 % | ±100 |
| PV36P104C01B00 | 0.5 (70 °C) | 25 | 100k ohm ±10 % | ±100 |
| PV36P204C01B00 | 0.5 (70 °C) | 25 | 200k ohm ±10 % | ±100 |
| PV36P254C01B00 | 0.5 (70 °C) | 25 | 250k ohm ±10 % | ±100 |
| PV36P504C01B00 | 0.5 (70 °C) | 25 | 500k ohm ±10 % | ±100 |
| PV36P105C01B00 | 0.5 (70 °C) | 25 | 1M ohm ±10 % | ±100 |
| PV36P205C01B00 | 0.5 (70 °C) | 25 | 2M ohm ±10 % | ±100 |

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|----------------|-------------|----|----------------|------|
| PV36Z100C01B00 | 0.5 (70 °C) | 25 | 10 ohm ±10 % | ±150 |
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| PV36Z500C01B00 | 0.5 (70 °C) | 25 | 50 ohm ±10 % | ±150 |
| PV36Z101C01B00 | 0.5 (70 °C) | 25 | 100 ohm ±10 % | ±150 |
| PV36Z201C01B00 | 0.5 (70 °C) | 25 | 200 ohm ±10 % | ±100 |
| PV36Z501C01B00 | 0.5 (70 °C) | 25 | 500 ohm ±10 % | ±100 |
| PV36Z102C01B00 | 0.5 (70 °C) | 25 | 1k ohm ±10 % | ±100 |
| PV36Z202C01B00 | 0.5 (70 °C) | 25 | 2k ohm ±10 % | ±100 |
| PV36Z502C01B00 | 0.5 (70 °C) | 25 | 5k ohm ±10 % | ±100 |
| PV36Z103C01B00 | 0.5 (70 °C) | 25 | 10k ohm ±10 % | ±100 |
| PV36Z203C01B00 | 0.5 (70 °C) | 25 | 20k ohm ±10 % | ±100 |
| PV36Z253C01B00 | 0.5 (70 °C) | 25 | 25k ohm ±10 % | ±100 |
| PV36Z503C01B00 | 0.5 (70 °C) | 25 | 50k ohm ±10 % | ±100 |
| PV36Z104C01B00 | 0.5 (70 °C) | 25 | 100k ohm ±10 % | ±100 |
| PV36Z204C01B00 | 0.5 (70 °C) | 25 | 200k ohm ±10 % | ±100 |
| PV36Z254C01B00 | 0.5 (70 °C) | 25 | 250k ohm ±10 % | ±100 |
| PV36Z504C01B00 | 0.5 (70 °C) | 25 | 500k ohm ±10 % | ±100 |
| PV36Z105C01B00 | 0.5 (70 °C) | 25 | 1M ohm ±10 % | ±100 |
| PV36Z205C01B00 | 0.5 (70 °C) | 25 | 2M ohm ±10 % | ±100 |

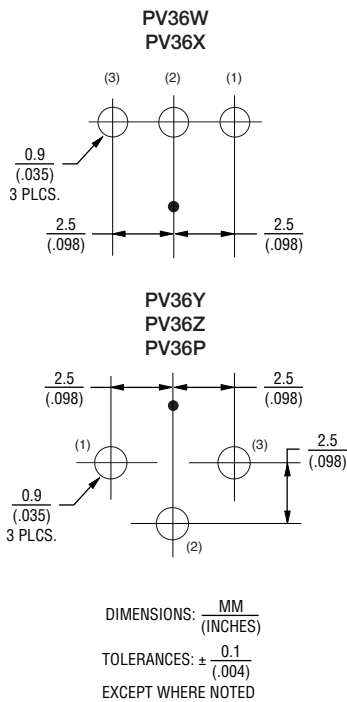
Operating Temperature Range: -55 to +125 °C

Soldering Method: Wave (Single and Dual)

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Standard Mounting Holes



Characteristics

| | |
|---------------------------|---|
| Temperature Cycle | ΔTR : $\pm 2\%$ $\Delta V.S.S.$: $\pm 1\%$ |
| Humidity | ΔTR : $\pm 2\%$ IR : 100M ohm min. |
| Vibration (20G) | ΔTR : $\pm 1\%$ $\Delta V.S.S.$: $\pm 1\%$ |
| Shock (100G) | ΔTR : $\pm 1\%$ $\Delta V.S.S.$: $\pm 1\%$ |
| Temperature Load Life | ΔTR : $\pm 3\%$ $\Delta V.S.S.$: $\pm 1\%$ |
| Low Temperature Exposure | ΔTR : $\pm 2\%$ $\Delta V.S.S.$: $\pm 1\%$ |
| High Temperature Exposure | ΔTR : $\pm 3\%$ $\Delta V.S.S.$: $\pm 1\%$ |
| Rotational Life | ΔTR : RV 1k ohm, RU500k ohm ... $\pm 5\%$ 1k ohmFRF500k ohm ... $\pm 3\%$ (200 cycles) |

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

Part Numbering

Product ID **PV 36 W 103 C01 B00**
 PV = Trimming Potentiometer
 Series 36 = Lead Sealed 10 mm Square, 25-Turns
 Adjustment Direction/Lead Type
 W = Top, Inline Y = Top, Triangle
 X = Side, Inline Z = Top, Triangle
 P = 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 |
| 20 | 200 |
| 50 | 500 |
| 100 | 101 |
| 200 | 201 |
| 500 | 501 |
| 1,000 | 102 |
| 2,000 | 202 |
| 5,000 | 502 |
| 10,000 | 103 |
| 20,000 | 203 |
| 25,000 | 253 |
| 50,000 | 503 |
| 100,000 | 104 |
| 200,000 | 204 |
| 250,000 | 254 |
| 500,000 | 504 |
| 1,000,000 | 105 |
| 2,000,000 | 205 |

Popular 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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