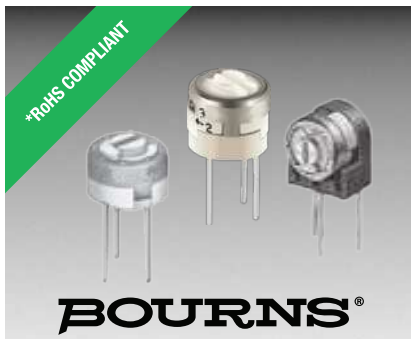




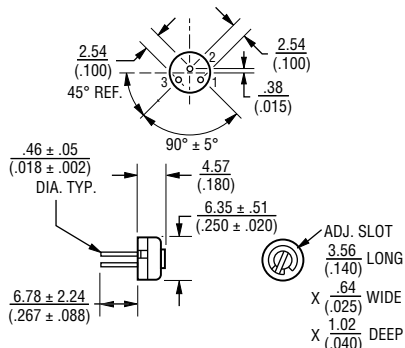
## Features

- 1/4 " Round / Single-turn / Cermet / Sealed
- Units can be pre-adjusted at clockwise, counter-clockwise or standard 50 % position
- Flammability: UL 94V-0
- RoHS compliant\*
- For trimmer applications/processing guidelines, [click here](#)

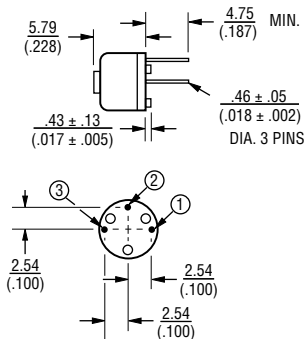
## PV32 Series – Lead Sealed Type Single-Turn Trimming Potentiometer

### Product Dimensions

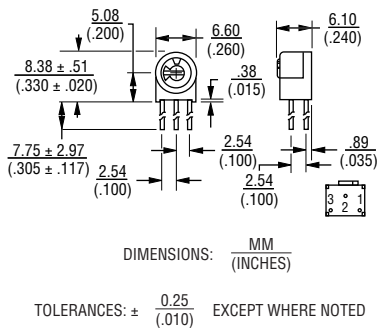
#### PV32H



#### PV32P

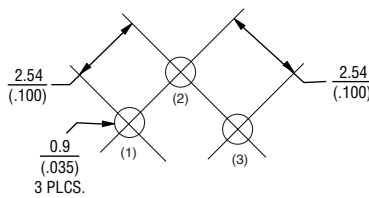


#### PV32N

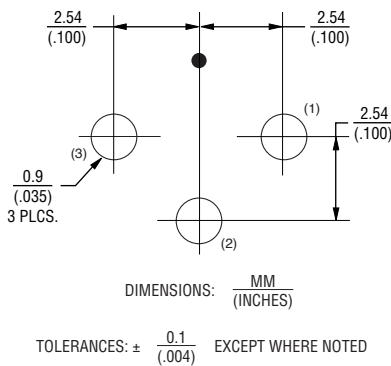


### Recommended PCB Layout

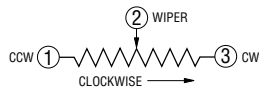
#### PV32H



#### PV32P and PV32N



### Schematic



### Additional Information

Click these links for more information:



### Standard Resistance Table

| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| 10                | 100             |
| 20                | 200             |
| 50                | 500             |
| <b>100</b>        | <b>101</b>      |
| <b>200</b>        | <b>201</b>      |
| <b>250</b>        | <b>251</b>      |
| <b>500</b>        | <b>501</b>      |
| <b>1,000</b>      | <b>102</b>      |
| <b>2,000</b>      | <b>202</b>      |
| <b>2,500</b>      | <b>252</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>      |
| 200,000           | 204             |
| 250,000           | 254             |
| 500,000           | 504             |
| 1,000,000         | 105             |

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

### How To Order

Product ID PV 32 P 103 A01 B00

PV = Trimming Potentiometer

Series 32 = Lead Sealed 6 mm Round Single-turn

Adjustment Direction/Lead Type 103

H = Top, Triangle  
P = Top, Triangle  
N = Side, Triangle

Resistance Code A01

See Standard Resistance Table

Individual Specification B00

A01 = Standard Type  
A02 = 10 % Resistance Tolerance

Packaging B00 = Tube (50 pcs. per tube)



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

\*RoHS Directive 2015/863, Mar 31, 2015 and Annex.  
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## PV32 Series – Lead Sealed Type Single-Turn Trimming Potentiometer

**BOURNS®**

### Top Adjustment

| Model Number   | Power Rating @<br>70 °C<br>(W) | Number of Turns<br>(Effective Rotation<br>Angle) | Mechanical<br>Rotation Angle | Total Resistance<br>Value (Ω) | Resistance<br>Tolerance | TCR<br>(ppm/°C) |
|----------------|--------------------------------|--------------------------------------------------|------------------------------|-------------------------------|-------------------------|-----------------|
| PV32H100A0xB00 | 0.5                            | 1 (240 ° ±5 °)                                   | 260 ° ±5 °                   | 10                            | ±20 %                   | ±100            |
| PV32H200A0xB00 |                                |                                                  |                              | 20                            |                         |                 |
| PV32H500A0xB00 |                                |                                                  |                              | 50                            |                         |                 |
| PV32H101A0xB00 |                                |                                                  |                              | 100                           |                         |                 |
| PV32H201A0xB00 |                                |                                                  |                              | 200                           |                         |                 |
| PV32H251A0xB00 |                                |                                                  |                              | 250                           |                         |                 |
| PV32H501A0xB00 |                                |                                                  |                              | 500                           |                         |                 |
| PV32H102A0xB00 |                                |                                                  |                              | 1k                            |                         |                 |
| PV32H202A0xB00 |                                |                                                  |                              | 2k                            |                         |                 |
| PV32H252A0xB00 |                                |                                                  |                              | 2.5k                          |                         |                 |
| PV32H502A0xB00 |                                |                                                  |                              | 5k                            |                         |                 |
| PV32H103A0xB00 |                                |                                                  |                              | 10k                           |                         |                 |
| PV32H203A0xB00 |                                |                                                  |                              | 20k                           |                         |                 |
| PV32H253A0xB00 |                                |                                                  |                              | 25k                           |                         |                 |
| PV32H503A0xB00 |                                |                                                  |                              | 50k                           |                         |                 |
| PV32H104A0xB00 |                                |                                                  |                              | 100k                          |                         |                 |
| PV32H204A0xB00 |                                |                                                  |                              | 200k                          |                         |                 |
| PV32H254A0xB00 |                                |                                                  |                              | 250k                          |                         |                 |
| PV32H504A0xB00 |                                |                                                  |                              | 500k                          |                         |                 |
| PV32H105A0xB00 |                                |                                                  |                              | 1M                            |                         |                 |

Operating Temperature Range: -55 to 125 °C

Soldering Method: Wave (Single and Dual)

### 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.

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# PV32 Series – Lead Sealed Type Single-Turn Trimming Potentiometer

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## Top Adjustment (Continued)

| Model Number   | Power Rating @<br>70 °C<br>(W) | Number of Turns<br>(Effective Rotation<br>Angle) | Mechanical<br>Rotation Angle | Total Resistance<br>Value (Ω) | Resistance<br>Tolerance | TCR<br>(ppm/°C) |
|----------------|--------------------------------|--------------------------------------------------|------------------------------|-------------------------------|-------------------------|-----------------|
| PV32P100A0xB00 | 0.5                            | 1 (240 ° ±5 °)                                   | 260 ° ±5 °                   | 10                            | ±20 %                   | ±100            |
| PV32P200A0xB00 |                                |                                                  |                              | 20                            |                         |                 |
| PV32P500A0xB00 |                                |                                                  |                              | 50                            |                         |                 |
| PV32P101A0xB00 |                                |                                                  |                              | 100                           |                         |                 |
| PV32P201A0xB00 |                                |                                                  |                              | 200                           |                         |                 |
| PV32P251A0xB00 |                                |                                                  |                              | 250                           |                         |                 |
| PV32P501A0xB00 |                                |                                                  |                              | 500                           |                         |                 |
| PV32P102A0xB00 |                                |                                                  |                              | 1k                            |                         |                 |
| PV32P202A0xB00 |                                |                                                  |                              | 2k                            |                         |                 |
| PV32P252A0xB00 |                                |                                                  |                              | 2.5k                          |                         |                 |
| PV32P502A0xB00 |                                |                                                  |                              | 5k                            |                         |                 |
| PV32P103A0xB00 |                                |                                                  |                              | 10k                           |                         |                 |
| PV32P203A0xB00 |                                |                                                  |                              | 20k                           |                         |                 |
| PV32P253A0xB00 |                                |                                                  |                              | 25k                           |                         |                 |
| PV32P503A0xB00 |                                |                                                  |                              | 50k                           |                         |                 |
| PV32P104A0xB00 |                                |                                                  |                              | 100k                          |                         |                 |
| PV32P204A0xB00 |                                |                                                  |                              | 200k                          |                         |                 |
| PV32P254A0xB00 |                                |                                                  |                              | 250k                          |                         |                 |
| PV32P504A0xB00 |                                |                                                  |                              | 500k                          |                         |                 |
| PV32P105A0xB00 |                                |                                                  |                              | 1M                            |                         |                 |

Operating Temperature Range: -55 to 125 °C

Soldering Method: Wave (Single and Dual)

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# PV32 Series – Lead Sealed Type Single-Turn Trimming Potentiometer

**BOURNS®**

## Side Adjustment

| Model Number   | Power Rating @<br>70 °C<br>(W) | Number of Turns<br>(Effective Rotation<br>Angle) | Mechanical<br>Rotation Angle | Total Resistance<br>Value (Ω) | Resistance<br>Tolerance | TCR<br>(ppm/°C) |
|----------------|--------------------------------|--------------------------------------------------|------------------------------|-------------------------------|-------------------------|-----------------|
| PV32N100A0xB00 | 0.5                            | 1 (240 ° ±5 °)                                   | 260 ° ±5 °                   | 10                            | ±20 %                   | ±100            |
| PV32N200A0xB00 |                                |                                                  |                              | 20                            |                         |                 |
| PV32N500A0xB00 |                                |                                                  |                              | 50                            |                         |                 |
| PV32N101A0xB00 |                                |                                                  |                              | 100                           |                         |                 |
| PV32N201A0xB00 |                                |                                                  |                              | 200                           |                         |                 |
| PV32N251A0xB00 |                                |                                                  |                              | 250                           |                         |                 |
| PV32N501A0xB00 |                                |                                                  |                              | 500                           |                         |                 |
| PV32N102A0xB00 |                                |                                                  |                              | 1k                            |                         |                 |
| PV32N202A0xB00 |                                |                                                  |                              | 2k                            |                         |                 |
| PV32N252A0xB00 |                                |                                                  |                              | 2.5k                          |                         |                 |
| PV32N502A0xB00 |                                |                                                  |                              | 5k                            |                         |                 |
| PV32N103A0xB00 |                                |                                                  |                              | 10k                           |                         |                 |
| PV32N203A0xB00 |                                |                                                  |                              | 20k                           |                         |                 |
| PV32N253A0xB00 |                                |                                                  |                              | 25k                           |                         |                 |
| PV32N503A0xB00 |                                |                                                  |                              | 50k                           |                         |                 |
| PV32N104A0xB00 |                                |                                                  |                              | 100k                          |                         |                 |
| PV32N204A0xB00 |                                |                                                  |                              | 200k                          |                         |                 |
| PV32N254A0xB00 |                                |                                                  |                              | 250k                          |                         |                 |
| PV32N504A0xB00 |                                |                                                  |                              | 500k                          |                         |                 |
| PV32N105A0xB00 |                                |                                                  |                              | 1M                            |                         |                 |

Operating Temperature Range: -55 to 125 °C

Soldering Method: Wave (Single and Dual)

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