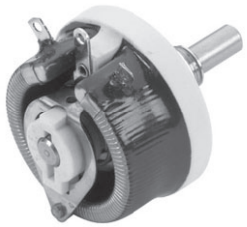
# Wirewound Rheostat / Potentiometer

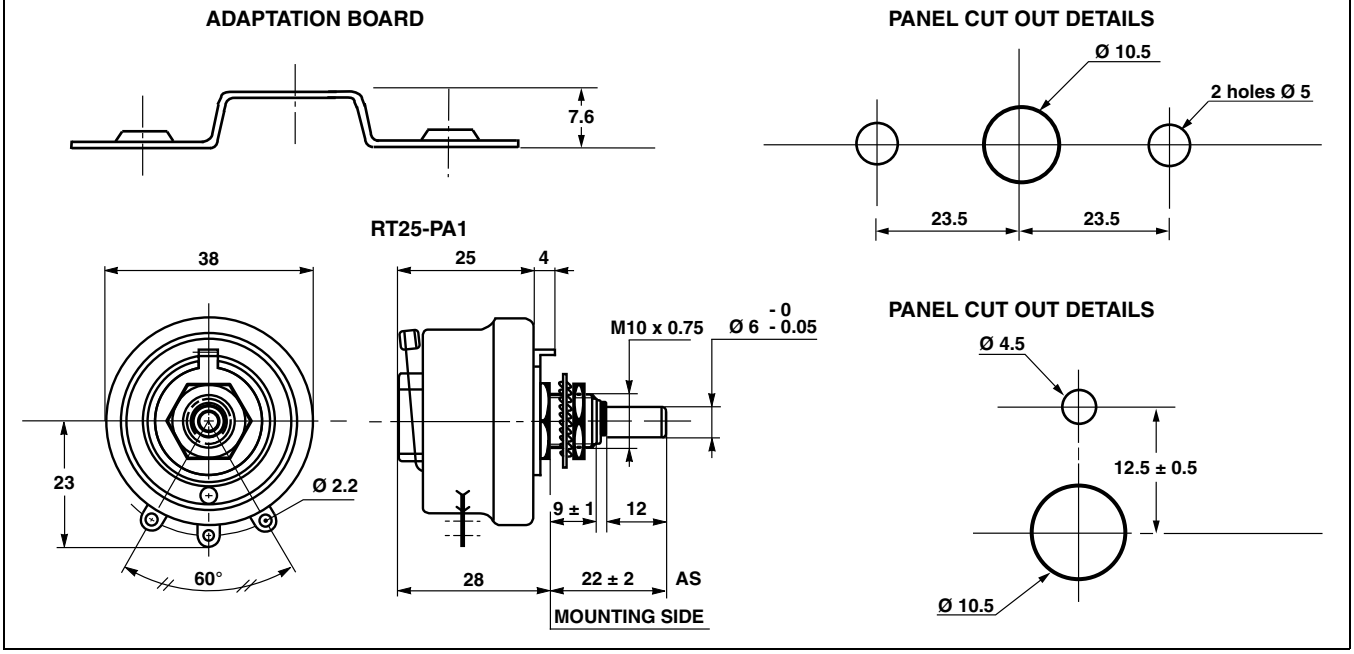


## FEATURES

- 25 W at 25 °C
- CCTU 05-03B (PA1)
- Vitreous - RT style
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

RoHS COMPLIANT

## DIMENSIONS in millimeters




## STANDARD ELECTRICAL SPECIFICATIONS

| MODEL | RESISTANCE RANGE Ω | TOLERANCE ± % | RATED POWER $P_{25\,°C}$ W | VARIATION LAW STANDARD (1) | LIMITING ELEMENT VOLTAGE V | DIELECTRIC STRENGTH $V_{RMS}$ | INSULATION RESISTANCE Ω |
|---|---|---|---|---|---|---|---|
| RT25 | 1 to 4.7K | 10 | 25 | Linear | 300 | 1000 | $10^3$M (500 $V_{CC}$) |

**Note**

(1) On request: sectorial winding

## CLIMATIC SPECIFICATIONS

| | |
|---|---|
| Temperature range | -55 °C; +320 °C |
| Climatic category | CCTU 454<br>CEI 55 / 200 / 56 |

## MECHANICAL SPECIFICATIONS

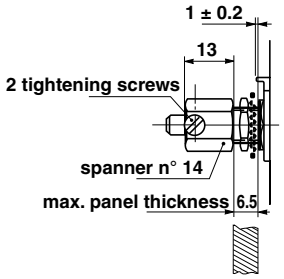
| | |
|---|---|
| Mechanical protection | Vitreous |
| Mechanical travel | 300° ± 5° |
| Operating torque | 1 Ncm to 10 Ncm |
| End stop torque | 50 Ncm |
| Unit weight | 80 g |

## LOCKING DEVICE

This is supplied as an option.

The available spindle length is according to the panel thickness.

Order reference: DBA6




## ADAPTATION BOARD

This enables 2 point mounting instead of bush mounting. The adaptation board is supplied as an option with 2 mounting screws. Consequently, the available spindle length is reduced by 9.5 mm.

**SPINDLES**

| Ø mm | DISTANCE TO MOUNTING PLATE mm | SCREW DRIVER SLOT | CODE |
|---|---|---|---|
| 6 | 22 | With | ASF |
| | 25 | Without | AM |
| | | With | AMF |
| | 50 | Without | AL |
| 6 | 22 | Without | AS |

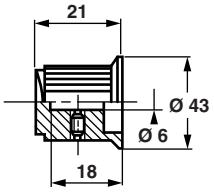
**Note**

- For any special requirement on request: spindle flats, etc. Please supply detailed drawing.

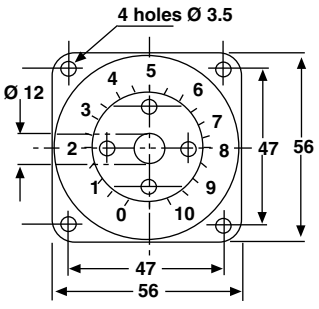
**PARTICULAR CHARACTERISTICS**

| NOMINAL RESISTANCE Ω | MAX. SERVICE VOLTAGE V | MAX. CURRENT THROUGH WIPER mA |
|---|---|---|
| 1 | 5 | 5000 |
| 1.5 | 6.12 | 4080 |
| 2.2 | 7.42 | 3370 |
| 3.3 | 9.08 | 2750 |
| 4.7 | 10.8 | 2300 |
| 6.8 | 13 | 1920 |
| 10 | 15.8 | 1580 |
| 15 | 19.4 | 1290 |
| 22 | 23.5 | 1070 |
| 33 | 28.7 | 870 |
| 47 | 34.3 | 730 |
| 68 | 41.2 | 605 |
| 100 | 50 | 500 |
| 150 | 61.2 | 408 |
| 220 | 74.2 | 337 |
| 330 | 90.8 | 275 |
| 470 | 108 | 230 |
| 680 | 130 | 192 |
| 1K | 158 | 158 |
| 1.5K | 194 | 129 |
| 2.2K | 235 | 107 |
| 3.3K | 287 | 87 |
| 4.7K | 343 | 73 |

**COMMAND SHAFT 29JF (OPTION)**




**DIAL CG57 (OPTION)**




## MARKING

Vishay Sfernice trademark, series, style, power rating in watts, ohmic value (in Ω or kΩ), tolerance (in %), maximum current in A, manufacturing date.

## ORDERING INFORMATION

| RT | 025 | ASF | 2201 | K | B | XXX |
|---|---|---|---|---|---|---|
| MODEL | STYLE | SPINDLE | OHMIC VALUE | TOLERANCE | PACKAGING | SPECIAL DESIGN |

## GLOBAL PART NUMBER INFORMATION

| R | T | 0 | 2 | 5 | A | S | 1 | 0 | R | 0 | K | B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

| GLOBAL MODEL | SIZE | LOCKING DEVICE (OPT.) | WINDING (OPT.) | COMMAND SHAFT | OHMIC VALUE | TOLERANCE | PACKAGING | SPECIAL |
|---|---|---|---|---|---|---|---|---|
| **RT** | **025** | **D** | **BXXX** or **BXXXX**<br><br>As applicable xxx(x) = internal number | **AS** = standard (Diam: 6 mm)<br>**AM**<br>**AMF**<br>**AL**<br>**ASF** | The three first digits are significant figures and the last digit specifies the number of zeros to follow. R designates decimal point.<br><br>**2002** = 20 kΩ<br>**4700** = 470 Ω<br>**10R0** = 10 Ω<br>**0R01** = 0.01 Ω | **J** = 5 %<br>**K** = 10 % | **B** = bulk BO10<br><br>No standard packaging: **N** = bulk, qty. open | As applicable<br>**Ex** = DXxx |

## RELATED DOCUMENTS

| APPLICATION NOTES | |
|---|---|
| Potentiometers and Trimmers | www.vishay.com/doc?51001 |
| Guidelines for Vishay Sfernice Resistive and Inductive Components | www.vishay.com/doc?52029 |

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