

## Wirewound Rheostat / Potentiometer



### FEATURES

- 55 W at 25 °C
- CCTU 05-03B (PA3)
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

### DIMENSIONS in millimeters



### STANDARD ELECTRICAL SPECIFICATIONS

MODEL	RESISTANCE RANGE $\Omega$	TOLERANCE $\pm \%$	RATED POWER $P_{25\text{ }^\circ\text{C}}$ W	VARIATION LAW STANDARD <sup>(1)</sup>	LIMITING ELEMENT VOLTAGE V	DIELECTRIC STRENGTH $V_{\text{RMS}}$	INSULATION RESISTANCE $\Omega$
RT55	1 to 10K	10	55	Linear	500 (linear law)	1000	$10^3\text{M}$ (500 $V_{\text{CC}}$ )

**Note**
<sup>(1)</sup> On request: sectorial winding

### CLIMATIC SPECIFICATIONS

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

### MECHANICAL SPECIFICATIONS

Mechanical protection	Vitreous
Mechanical travel	$300^\circ \pm 5^\circ$
Operating torque	2 Ncm to 15 Ncm
End stop torque	100 Ncm
Unit weight	175 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.

SPINDLES			
Ø mm	DISTANCE TO MOUNTING PLATE mm	SCREW DRIVER SLOT	CODE
6	22	Without	AD
		With	ADF
	25	Without	AS
		With	ASF
	50	Without	AL

**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 A
1	7.41	7.41
1.5	9.08	6.05
2.2	11	5
3.3	4.7	6.8
4.7	16.1	3.42
6.8	19.3	2.84
10	23.5	2.35
15	28.7	1.91
22	34.8	1.58
33	42.6	1.29
47	50.8	1.08
68	61.2	0.9
100	74.1	0.74
150	90.8	0.6
220	110	0.5
330	135	0.4
470	161	0.34
680	193	0.28
1K	235	0.23
1.5K	287	0.19
2.2K	348	0.16
3.3K	426	0.13
4.7K	500	0.11
5.6K	500	0.09
10K	500	0.05

**COMMAND KNOB 41JF (OPTION)**

**DIAL CG78 (OPTION)**

**MARKING**

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



ORDERING INFORMATION						
RT	055	AS	4701	K	B	XXX
MODEL	STYLE	SPINDLE	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL DESIGN

GLOBAL PART NUMBER INFORMATION								
<div style="display: flex; justify-content: space-around; font-weight: bold; font-size: 1.2em;"> <span>R</span> <span>T</span> <span>0</span> <span>5</span> <span>5</span> <span>A</span> <span>S</span> <span>2</span> <span>2</span> <span>R</span> <span>0</span> <span>K</span> <span>B</span> </div>								
GLOBAL MODEL	SIZE	LOCKING DEVICE (OPT.)	WINDING (OPT.)	COMMAND SHAFT	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL
RT	055	D	BXXX or BXXXX As applicable xxx(x) = internal number	AS = standard (Diam: 6 mm) AL ASF AD ADF	The three first digits are significant figures and the last digit specifies the number of zeros to follow. R designates decimal point.  2002 = 20 kΩ 4700 = 470 Ω 22R0 = 22 Ω 0R01 = 0.01 Ω	J = 5 % K = 10 %	B = bulk BO1	As applicable Ex = DXxx

RELATED DOCUMENTS	
APPLICATION NOTES	
Potentiometers and Trimmers	<a href="http://www.vishay.com/doc?51001">www.vishay.com/doc?51001</a>
Guidelines for Vishay Sfernice Resistive and Inductive Components	<a href="http://www.vishay.com/doc?52029">www.vishay.com/doc?52029</a>



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