



## **Wirewound Rheostat / Potentiometer**



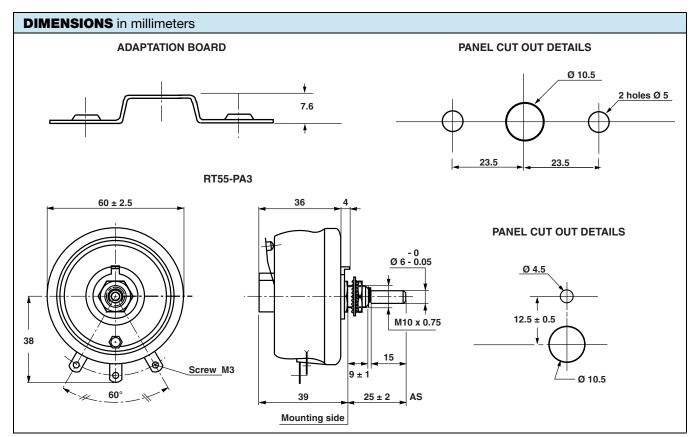
#### **FEATURES**

- 55 W at 25 °C
- CCTU 05-03B (PA3)



ROHS

 Material categorization: for definitions of compliance please see <a href="https://www.vishay.com/doc?99912">www.vishay.com/doc?99912</a>



STANDARD ELECTRICAL SPECIFICATIONS							
MODEL	RESISTANCE RANGE Ω	TOLERANCE ± %	RATED POWER  P <sub>25 °C</sub> W	VARIATION LAW STANDARD (1)	LIMITING ELEMENT VOLTAGE V	DIELECTRIC STRENGTH V <sub>RMS</sub>	$\begin{array}{c} \text{INSULATION} \\ \text{RESISTANCE} \\ \Omega \end{array}$
RT55	1 to 10K	10	55	Linear	500 (linear law)	1000	10 <sup>3</sup> M (500 V <sub>CC</sub> )

#### Note

(1) On request: sectorial winding

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

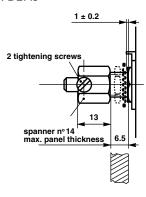
MECHANICAL SPECIFICATIONS			
Mechanical protection	Vitreous		
Mechanical travel	300° ± 5°		
Operating torque	2 Ncm to 15 Ncm		
End stop torque	100 Ncm		
Unit weight	175 g		



#### **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.

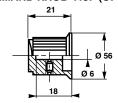
SPINDLES				
Ø mm	DISTANCE TO MOUNTING PLATE mm	SCREW DRIVER SLOT	CODE	
6	22	Without	AD	
	22	With	ADF	
	25	Without	AS	
	23	With	ASF	
	50	Without	AL	

#### Note

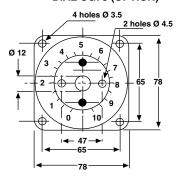
 For any special requirement on request: spindle flats, etc. Please supply detailed drawing.

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)**



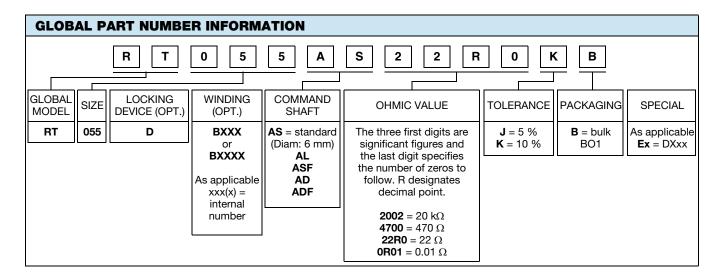
#### **MARKING**

Vishay Sfernice trademark, series, style, ohmic value (in  $\Omega$  or  $k\Omega$ ), tolerance (in %), maximum current in A, manufacturing date.



# Vishay Sfernice

ORDERING I	NFORMATION					
RT	055	AS	4701	K	В	xxx
MODEL	STYLE	SPINDLE	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL DESIGN



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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Vishay

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