

## Wirewound Rheostat/Potentiometer

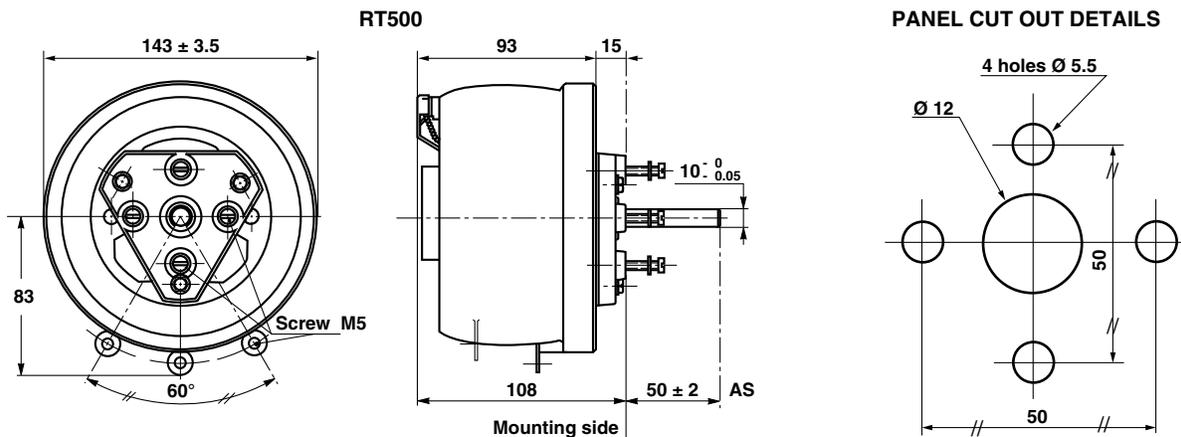


### FEATURES

- 500 W at 25 °C
- Vitreous wirewound protection
- Material categorization: For definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

### DIMENSIONS in millimeters



### MECHANICAL SPECIFICATIONS

**Mechanical Protection:** Vitreous  
**Mechanical Travel:**  $300^\circ \pm 5^\circ$   
**Operating Torque:** 10 Ncm to 50 Ncm  
**End Stop Torque:** 200 Ncm  
**Unit Weight:** 1900 g

### ENVIRONMENTAL SPECIFICATIONS

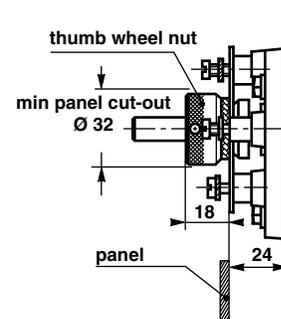
**Temperature Range:**  $-55^\circ\text{C} + 320^\circ\text{C}$   
**Climatic Category:** CCTU 454  
 CEI 55/200/56

### ELECTRICAL SPECIFICATIONS

Ohmic Range	1 $\Omega$ to 33 k $\Omega$	
Tolerance Standard	$\pm 10\%$	
Power Rating	500 W at 25 °C	
Variation Law	Standard	Linear
	On request	Sectorial winding
Limiting Element Voltage	3500 V	
Dielectric Strength	3500 V <sub>RMS</sub>	
Insulation Resistance	$10^3$ M $\Omega$ (500 V <sub>CC</sub> )	

### LOCKING DEVICE

This is supplied as an option.  
 The available spindle length is according to the panel thickness.  
 Order reference: DBA11



### SPINDLES

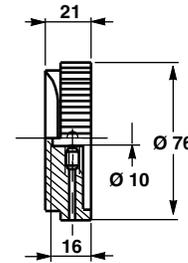
$\varnothing$ mm	DISTANCE TO MOUNTING PLATE mm	SCREW DRIVER SLOT	CODE
10	50	Without	AS

#### Note

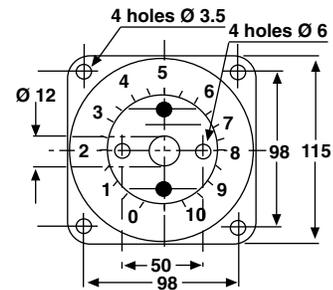
- For any special requirement on request: spindle flats, etc. Please supply detailed drawing.

PARTICULAR CHARACTERISTICS		
NOMINAL RESISTANCE $\Omega$	MAX. SERVICE VOLTAGE V	MAX. CURRENT THROUGH WIPER A
1	22.4	22.4
1.5	27.3	18.2
2.2	33	15
3.3	40.6	12.3
4.7	48.4	10.3
6.8	58.3	8.57
10	70.7	7.07
15	86.5	5.77
22	105	4.77
33	128	3.89
47	153.2	3.26
68	184.3	2.71
100	224	2.24
150	273	1.82
220	330	1.5
330	406	1.23
470	484	1.03
680	584.8	0.86
1K	707	0.707
1.5K	865	0.577
2.2K	1050	0.477
3.3K	1283	0.389
4.7K	1532	0.326
6.8K	1843	0.271
10K	2240	0.224
15K	2730	0.182
22K	3322	0.151
33K	3500	0.106

COMMAND KNOB 60JF (OPTION)



DIAL CG1 15/4T (OPTION)


**MARKING**

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

ORDERING INFORMATION						
RT	500	AS	2202	K	B	XXX
MODEL	STYLE	SPINDLE	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL DESIGN

GLOBAL PART NUMBER INFORMATION												
R	T	5	0	0	A	S	1	0	0	0	K	B
GLOBAL MODEL	SIZE	LOCKING DEVICE (OPT.)	WINDING (OPT.)	COMMAND SHAFT	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL				
RT	500	D	BXXX or BXXXX	AS = Standard (Diam: 10 mm)	The first three digits are significant figures and the last digit specifies the number of zeros to follow. R designates decimal point. 2002 = 20 k $\Omega$ 4700 = 470 $\Omega$ 22R0 = 22 $\Omega$ 1000 = 100 $\Omega$	J = 5 % K = 10 %	B = Box BO1	As applicable Ex = DXxx				
			As applicable xxx(x) = Internal number									



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