

Wirewound Rheostat/Potentiometer

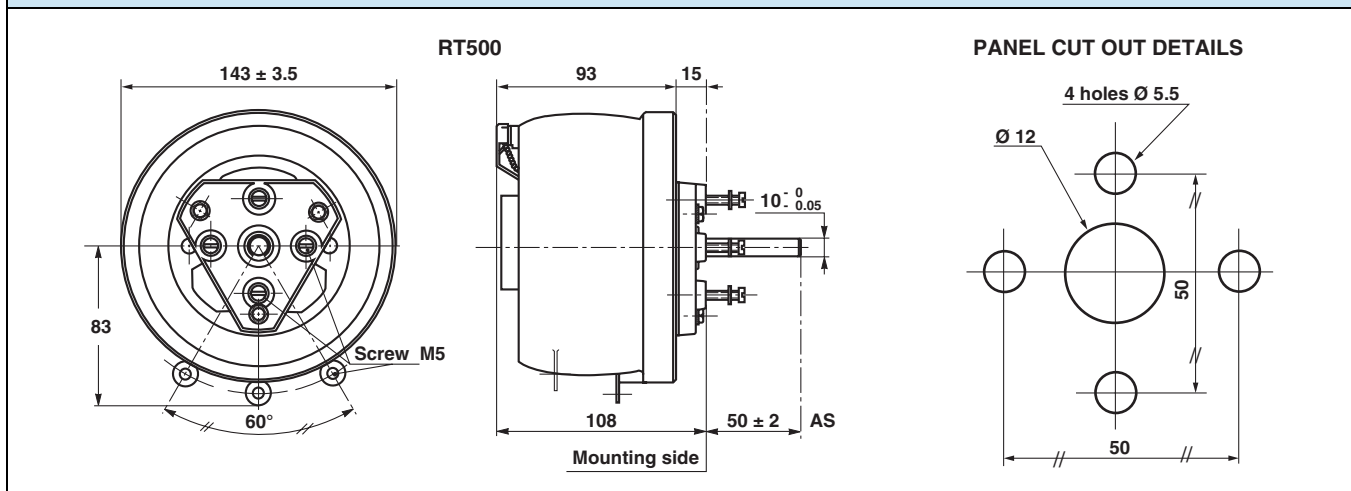


FEATURES

- 500 W at 25 °C
- Vitreous wirewound protection
- Compliant to RoHS directive 2002/95/EC



DIMENSIONS in millimeters



MECHANICAL SPECIFICATIONS

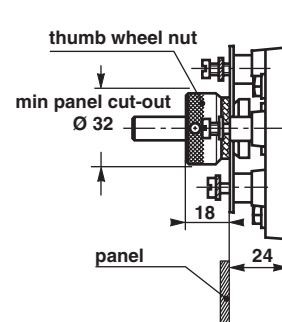
Mechanical Protection	Vitreous
Mechanical Travel	300° ± 5°
Operating Torque	10 Ncm to 50 Ncm
End Stop Torque	200 Ncm
Unit Weight	1900 g

LOCKING DEVICE

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

ENVIRONMENTAL SPECIFICATIONS

Temperature Range	- 55 °C + 320 °C
Climatic Category	CCTU 454 CEI 55/200/56



ELECTRICAL SPECIFICATIONS

Ohmic Range	1 Ω to 33 kΩ	
Tolerance Standard	± 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 _{RMS}	
Insulation Resistance	10 ³ MΩ (500 V _{CC})	

SPINDLES

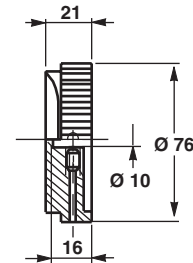
Ø mm	DISTANCE TO MOUNTING PLATE mm	SCREW DRIVER SLOT	CODE
10	50	Without	AS

Note

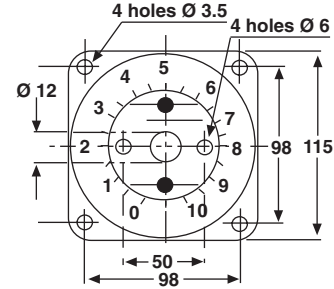
- For any special requirement on request: spindle flats, etc. Please supply detailed drawing.

PARTICULAR CHARACTERISTICS		
NOMINAL RESISTANCE Ω	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 Ω or k Ω), 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								
<div style="display: flex; justify-content: space-around; font-weight: bold; font-size: 1.2em;"> RT500AS1000KB </div>								
GLOBAL MODEL	SIZE	LOCKING DEVICE (OPT.)	WINDING (OPT.)	COMMAND SHAFT	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL
RT	500	D	BXXX or BXXXX As applicable xxx(x) = Internal number	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 Ω 4700 = 470 Ω 22R0 = 22 Ω 1000 = 100 Ω	J = 5 % K = 10 %	B = Box BO1	As applicable Ex = DXxx



Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and/or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.

Material Category Policy

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9