

6121 Baker Road,
Suite 108
Minnetonka, MN 55345

www.chtechnology.com



Phone (952) 933-6190
Fax (952) 933-6223

1-800-274-4284

Thank you for downloading this document from C&H Technology, Inc.

Please contact the C&H Technology team for the following questions -

Technical • Application • Assembly • Availability • Pricing

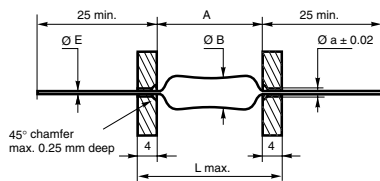
Phone – 1-800-274-4284

E-Mail – sales@chtechnology.com

High Ohmic Values (up to 100 GΩ), High Voltage Resistors (up to 50 kV) Thick Film Technology


FEATURES

- RoHS for most values, please consult us
- Core: High purity ceramic
- Coating: Epoxy
- Termination: Standard lead material is solder coated copper
- Climatic category: - 55 °C/+ 155 °C/56 days
- High ohmic values: Up to 100 GΩ
- High voltage application: Up to 50 kV


DIMENSIONS in millimeters


DIM. \ STYLE	58	63	68	523	547	729	747	923	932	947	972	9100
A	7±0.2	8.5±0.5	14±1	23±2	47±2	29±2	47±2	23±2	32±2	47±2	72±2	100±2
ØB	1.6±0.2	2.2±0.2	3.5±0.3	4.5±0.3	4.5±0.3	6.5±0.5	6.5±0.5	8.5±0.5				
ØE±0.1	0.6		0.8									
Weight in g	0.24	0.29	0.67	1.23	4.60	5.27	7.18	7.18	7.18	7.18	7.18	7.18

TECHNICAL SPECIFICATIONS													
SERIES AND STYLES	HTS 58	HTS 63	HTS 68	HTS 523	HTS 547	HTS 729	HTS 747	HTS 923	HTS 932	HTS 947	HTS 972	HTS 9100	
Power Rating at + 70 °C	0.25 W	0.5 W	1 W	1 W	1.5 W	2 W	2.5 W	2 W	2.5 W	3 W	4 W	5 W	
Ohmic Range in Relation to • Temperature Coefficient ± 150 ppm/°C • Tolerance	± 0.5 % 200 Ω 100 MΩ	1 kΩ 100 MΩ	1 kΩ 100 MΩ	1 kΩ 100 MΩ	1 kΩ 100 MΩ	1 kΩ 100 MΩ	1 kΩ 100 MΩ	1 kΩ 100 MΩ	1 kΩ 100 MΩ	1 kΩ 100 MΩ	1 kΩ 100 MΩ	1 kΩ 100 MΩ	
		± 1 % 1 kΩ 250 MΩ	1 kΩ 500 MΩ	1 kΩ 500 MΩ	1 kΩ 1 GΩ	1 kΩ 1 GΩ	1 kΩ 1 GΩ	1 kΩ 1 GΩ	1 kΩ 1 GΩ	1 kΩ 1 GΩ	1 kΩ 1 GΩ	1 kΩ 1 GΩ	
	± 2 % ± 5 % ± 10 %	1 kΩ 200 MΩ	1 kΩ 500 MΩ	1 kΩ 2.5 GΩ	1 kΩ 5 GΩ	1 kΩ 10 GΩ	1 kΩ 10 GΩ	1 kΩ 10 GΩ	1 kΩ 10 GΩ	1 kΩ 10 GΩ	1 kΩ 10 GΩ	1 kΩ 10 GΩ	1 kΩ 10 GΩ
		1 kΩ 50 GΩ	1 kΩ 15 GΩ	1 kΩ 30 GΩ	1 kΩ 15 GΩ	1 kΩ 30 GΩ	1 kΩ 15 GΩ	1 kΩ 30 GΩ	1 kΩ 50 GΩ	1 kΩ 100 GΩ	1 kΩ 100 GΩ	1 kΩ 100 GΩ	
Limiting Element Voltage	0.5 kV	1 kV	2 kV	5 kV	15 kV	10 kV	15 kV	8 kV	15 kV	20 kV	30 kV	50 kV	
Critical Resistance	1 MΩ	2 MΩ	4 MΩ	25 MΩ	150 MΩ	50 MΩ	90 MΩ	32 MΩ	90 MΩ	133.3 MΩ	225 MΩ	500 MΩ	

MARKING

GEKA trade-mark, series, style, nominal resistance (in Ω), tolerance (in %), letter P for TCR ± 150 ppm/°C, manufacturing date. Because of lack of space, small styles are marked with ohmic value (in Ω), tolerance (in %) and letter P.

ORDERING INFORMATION						
HTS	63	1M27	0.5 %	150 ppm/°C	AM500	e1
MODEL	SIZE	OHMIC VALUE	TOLERANCE	TEMPERATURE COEFFICIENT	PACKAGING	LEAD (Pb)-FREE
P: Standard: ± 150 ppm/°C						

GLOBAL PART NUMBER INFORMATION															
H	T	S	0	0	6	3	1	2	7	4	D	P	A	2	0
GLOBAL MODEL	STYLE	OHMIC VALUE			TOLERANCE		TEMPERATURE COEFFICIENT		PACKAGING			SPECIAL			
HTS	HTS: 58 to 9100	The first three digits are significant figures and the last digit specifies the number of zeros to follow. R designates decimal point. 5104 = 5.1 MΩ 3303 = 330 kΩ 1276 = 127 MΩ ...			D = 0.5 % F = 1 % G = 2 % J = 5 % K = 10 %		P = 150 ppm K = 100 ppm		B15 = Blister X 20 pieces B19 = Blister X 30 pieces A18 = Ammo Pack X 400 pieces A20 = Ammo Pack X 500 pieces B17 = Blister X 25 pieces R10 = Reel X 500 pieces As applicable			As applicable			



Disclaimer

All product specifications and data are subject to change without notice.

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 herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

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.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.