

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

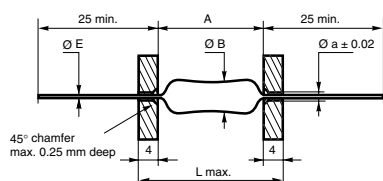


FEATURES

- 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



STYLE DIM.	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
Ø B	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				
Ø E ± 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 %	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
	± 5 % ± 10 %					1 kΩ 50 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
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 P: Standard: ± 150 ppm/°C	PACKAGING	LEAD (Pb)-FREE

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					



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