

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

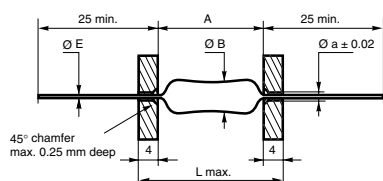


FEATURES

- 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 G Ω
- 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 M Ω	1 k Ω 100 M Ω	1 k Ω 100 M Ω	1 k Ω 100 M Ω	1 k Ω 100 M Ω	1 k Ω 100 M Ω	1 k Ω 100 M Ω	1 k Ω 100 M Ω	1 k Ω 100 M Ω	1 k Ω 100 M Ω	1 k Ω 100 M Ω	1 k Ω 100 M Ω
	± 1 %		1 k Ω 250 M Ω	1 k Ω 500 M Ω	1 k Ω 500 M Ω	1 k Ω 1 G Ω	1 k Ω 1 G Ω	1 k Ω 1 G Ω	1 k Ω 1 G Ω	1 k Ω 1 G Ω	1 k Ω 1 G Ω	1 k Ω 1 G Ω	1 k Ω 1 G Ω
	± 2 %	1 k Ω 200 M Ω	1 k Ω 500 M Ω	1 k Ω 2.5 G Ω	1 k Ω 5 G Ω	1 k Ω 10 G Ω	1 k Ω 10 G Ω	1 k Ω 10 G Ω	1 k Ω 10 G Ω	1 k Ω 10 G Ω	1 k Ω 10 G Ω	1 k Ω 10 G Ω	1 k Ω 10 G Ω
	± 5 %					1 k Ω 50 G Ω	1 k Ω 15 G Ω	1 k Ω 30 G Ω	1 k Ω 15 G Ω	1 k Ω 30 G Ω	1 k Ω 50 G Ω	1 k Ω 100 G Ω	1 k Ω 100 G Ω
	± 10 %												
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 M Ω	2 M Ω	4 M Ω	25 M Ω	150 M Ω	50 M Ω	90 M Ω	32 M Ω	90 M Ω	133.3 M Ω	225 M Ω	500 M Ω

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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