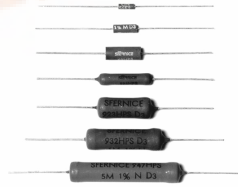


High Ohmic Value (up to 1.5 G Ω), High Power Resistors (up to 10 W at 25 °C) Thick Film Technology



FEATURES

- RoHS for most values, please consult us
- High ohmic values up to 1.5 G Ω
- Power rating up to 10 W at + 25 °C
- Molded or coated
- Ceramic core
- Compliant to RoHS directive 2002/95/EC



DIMENSIONS in millimeters

	SERIES AND STYLE	A	Ø B	Ø E ± 0.1	WEIGHT g	FINISH
	HPS58	6.5 ± 0.2	2.4 ± 0.1	0.6	0.24	molded
	HPS63	10 ± 0.2	3.7 ± 0.1		0.29	
	HPS68	15 ± 0.2	5.6 ± 0.3		0.67	coated
	HPS523	23 ± 2.3	5 ± 0.3	0.8	1.23	
	HPS923	23 ± 2.5	9 ± 0.5		4.60	
	HPS932	32 ± 2.5	9 ± 0.5		5.27	
	HPS947	47 ± 2.5	9 ± 0.5		7.18	

TECHNICAL SPECIFICATIONS

VISHAY SFERNICE SERIES AND STYLES	HPS 58	HPS 63	HPS 68	HPS 523	HPS 923	HPS 932	HPS 947
Power Rating at + 25 °C	1 W	2 W	3 W	4 W	6 W	8 W	10 W
Ohmic Range	200 Ω to 100 M Ω	200 Ω to 175 M Ω	300 Ω to 400 M Ω	800 Ω to 650 M Ω	1 k Ω to 1 G Ω	1 k Ω to 1 G Ω	2 k Ω to 1.5 G Ω
Tolerance	± 0.5 % to ± 10 %						
Temperature Coefficient	± 150 ppm/°C						
Limiting Element Voltage	0.3 kV	0.7 kV	1.5 kV	2 kV	2.5 kV	5 kV	8 kV
Critical Resistance	90 k Ω	245 k Ω	750 k Ω	1 M Ω	1.041 M Ω	3.125 M Ω	6.4 M Ω
Climatic Category	- 55 °C/+ 200 °C/56 days						

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

HPS	68	50 M Ω	10 %	150 ppm/°C	BL20	e1
MODEL	SIZE	OHMIC VALUE	TOLERANCE	TEMPERATURE COEFFICIENT	PACKAGING	LEAD (Pb)-FREE

GLOBAL PART NUMBER INFORMATION

H	P	S	0	0	6	8	5	0	0	5	K	P	B	1	5
GLOBAL MODEL	STYLE	OHMIC VALUE	TOLERANCE	TEMPERATURE COEFFICIENT	PACKAGING	SPECIAL									
HPS	HPS: 58 to 947	<p>The first three digits are significant figures and the last digit specifies the number of zeros to follow. R designates decimal point.</p> <p>1006 = 100 MΩ 5104 = 5.1 MΩ 3303 = 330 kΩ 5005 = 50 MΩ ...</p>	<p>D = 0.5 % F = 1 % G = 2 % J = 5 % K = 10 %</p>	<p>P = 150 ppm K = 100 ppm</p>	<p>B15 = Blister (20 pieces) B19 = Blister (30 pieces) A18 = Ammopack (400 pieces) A20 = Ammopack (500 pieces) B17 = Blister (25 pieces) R10 = Reel (500 pieces) As applicable</p>	As applicable									

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

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