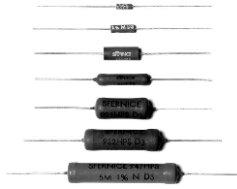


## High Ohmic Value (up to 1.5 GΩ), High Power Resistors (up to 10 W at 25 °C) Thick Film


**FEATURES**

- RoHS for most values, please consult us
- High ohmic values up to 1.5 GΩ
- Power rating up to 10 W at + 25 °C
- Molded or coated
- Ceramic core
- Material categorization: For definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

DIMENSIONS in millimeters						
	<b>SERIES AND STYLE</b>	<b>A</b>	<b>Ø B</b>	<b>Ø E ± 0.1</b>	<b>WEIGHT g</b>	<b>FINISH</b>
	HPS58	6.5 ± 0.2	2.4 ± 0.1	0.6	0.24	molded
	HPS63	10 ± 0.2	3.7 ± 0.1			
	HPS68	15 ± 0.2	5.6 ± 0.3	0.8	0.67	
	HPS523	23 ± 2.3	5 ± 0.3			
	HPS923	23 ± 2.5	9 ± 0.5			
	HPS932	32 ± 2.5	9 ± 0.5			
	HPS947	47 ± 2.5	9 ± 0.5	7.18		

STANDARD ELECTRICAL SPECIFICATIONS							
MODEL	RESISTANCE RANGE Ω	RATED POWER P <sub>25 °C</sub> W	LIMITING ELEMENT VOLTAGE V	TOLERANCE ± %	TEMPERATURE COEFFICIENT ± ppm/°C	CRITICAL RESISTANCE (Ω)	CLIMATIC CATEGORY
HPS58	200 to 100M	1	300	0.5, 1, 2, 5, 10	150	90K	- 55 °C/ + 200 °C/ 56 days
HPS63	200 to 175M	2	700	0.5, 1, 2, 5, 10	150	245K	
HPS68	300 to 400M	3	1500	0.5, 1, 2, 5, 10	150	750K	
HPS523	800 to 650M	4	2000	0.5, 1, 2, 5, 10	150	1M	
HPS923	1K to 1G	6	2500	0.5, 1, 2, 5, 10	150	1.041M	
HPS932	1K to 1G	8	5000	0.5, 1, 2, 5, 10	150	3.125M	
HPS947	2K to 1.5G	10	8000	0.5, 1, 2, 5, 10	150	6.4M	

**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						
<b>HPS</b>	<b>68</b>	<b>50 MΩ</b>	<b>10 %</b>	<b>150 ppm/°C</b>	<b>BL20</b>	<b>e1</b>
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><b>1006</b> = 100 MΩ  <b>5104</b> = 5.1 MΩ  <b>3303</b> = 330 kΩ  <b>5005</b> = 50 MΩ            ...</p>				<p><b>D</b> = 0.5 %  <b>F</b> = 1 %  <b>G</b> = 2 %  <b>J</b> = 5 %  <b>K</b> = 10 %</p>		<p><b>P</b> = 150 ppm  <b>K</b> = 100 ppm</p>		<p><b>B15</b> = Blister (20 pieces)  <b>B19</b> = Blister (30 pieces)  <b>A18</b> = Ammpack (400 pieces)  <b>A20</b> = Ammpack (500 pieces)  <b>B17</b> = Blister (25 pieces)  <b>R10</b> = Reel (500 pieces)</p> <p>As applicable</p>			As applicable	



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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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