

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



FEATURES

- High ohmic values up to 1.5 $G\Omega$
- Power rating up to 10 W at +25 °C



- · Molded or coated
- Ceramic core
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

DIMENSIONS in millimeters							
COATED A 25 min. A	SERIES AND STYLE	A	ØВ	Ø E ± 0.1	WEIGHT g	FINISH	
Ø B Ø a ± 0.02	HPS58	6.5 ± 0.2	2.4 ± 0.1	0.6	0.24	Molded	
	HPS63	10 ± 0.2	3.7 ± 0.1		0.29		
45° chamfer max. 0.25 mm deep 4	HPS68	15 ± 0.2	5.6 ± 0.3	0.8	0.67		
L max. MOLDED	HPS523	23 ± 2.3	5 ± 0.3		1.23	Coated	
25 min. A 25 min.	HPS923	23 ± 2.5	9 ± 0.5		4.60		
	HPS932	32 ± 2.5	9 ± 0.5		5.27		
ØE ØB	HPS947	47 ± 2.5	9 ± 0.5		7.18		

STANDARD ELECTRICAL SPECIFICATIONS								
MODEL	RESISTANCE RANGE Ω	RATED POWER P _{25 °C} 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		
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	-55 °C/	
HPS523	800 to 650M	4	2000	0.5, 1, 2, 5, 10	150	1M	+200 °C/	
HPS923	1K to 1G	6	2500	0.5, 1, 2, 5, 10	150	1.041M	56 days	
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		

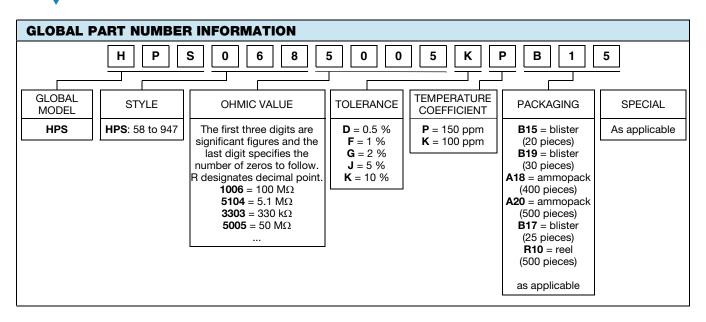
MARKING

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



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