

High Voltage Thick Film Planar Resistors

These units are available in two terminal styles. Large ohmic range from 0.5Mohms to 1Gohms. Superior characteristics in pulse voltage and high voltage applications. Excellent general electrical characteristics. These models are also suitable for customer designed specs and high voltage resistive patterns.



GENERAL SPECIFICATIONS

Model	Resistance Range [Ω]	Resistance Tolerance [%]	Power Rating & Max. Working Voltage																	
			03		04		05		06		07		08		09		11		18	
			W	KV	W	KV	W	KV	W	KV	W	KV	W	KV	W	KV	W	KV	W	KV
HVP03	0.5MΩ~1GΩ	J [±5] K [±10] M [±20]	0.5 6.7 1.0 9.5																	
HVP05																				
HVP06			0.6	3.2	0.7	4.8	0.8	5.5	0.9	6.7	1.0	7.4	1.1	8.6						
			0.2	2.0	0.3	3.0	0.4	4.0	0.5	5.0	0.6	6.0	0.7	7.0						
HVP07			0.7	3.0	0.8	4.8	0.9	5.5	1.0	6.7	1.1	7.4	1.2	8.6						
			0.3	2.0	0.4	3.0	0.5	4.0	0.6	5.0	0.7	6.0	0.8	7.0						
HVP10			0.8	3.2	0.9	4.8	1.0	5.5	1.1	6.7	1.2	7.4	1.6	8.6						
	0.4	2.0	0.5	3.0	0.7	4.0	0.9	5.0	1.1	6.0	1.4	7.0			1.7	10	2.7	15		
			0.9	3.2	1.1	4.8	1.3	5.5	1.5	6.7	1.7	7.4	1.9	8.6			1.7	10	2.7	15

CHARACTERISTICS

Values in [] mean change in Ω after test

Operating Temperature Range	-25°C~+125°C
Temperature Coefficient	Typical ±250ppm/°C

DIMENSIONS [mm]

Terminal Pitch	H maximum					L max.	P±0.3	
	HVP03	HVP05	HVP06	HVP07	HVP10			
03						10.7	7.62	
04						13.2	10.16	
05						15.8	12.70	
06						18.3	15.24	
07	3.5	5.0	6.35	7.5	10	20.9	17.78	
08						23.4	20.32	
09						27.0	22.86	
11						31.0	27.94	
18						48.8	45.72	

ORDERING PROCEDURE EXAMPLE

