

HIGH VOLTAGE & HIGH OHM RESISTOR

UHV resistor are suited for all High value and voltage applications from general purpose to highest reliability X-ray systems. Especially for electrical and electrical power system such as high voltage generator, precision high voltage



GENERAL SPECIFICATIONS

Model (type)	Watt (at 25°C)	Max Working Voltage(V)	TCR ±PPM/°C (25°C to 85°C)	Resistance Range[Ω]	Tol(%)
UHV1	1 W	3000	100 500	10KΩ ~ 1GΩ	±1.0%(F) ±5.0%(J) ±10.0%(K)
UHV2	2 W	4000	100 500	10KΩ ~ 2GΩ	
UHV3	3 W	14000	100 500	10KΩ ~ 2GΩ	
UHV1P*	0.5W	3000	25 50	1KΩ ~ 100MΩ	±1.0%(F) ±2.0%(G) ±5.0%(J)
UHV2P	1 W	4000	25 50	10KΩ ~ 300MΩ	
UHV3P	2 W	14000	25 50	10KΩ ~ 500MΩ	

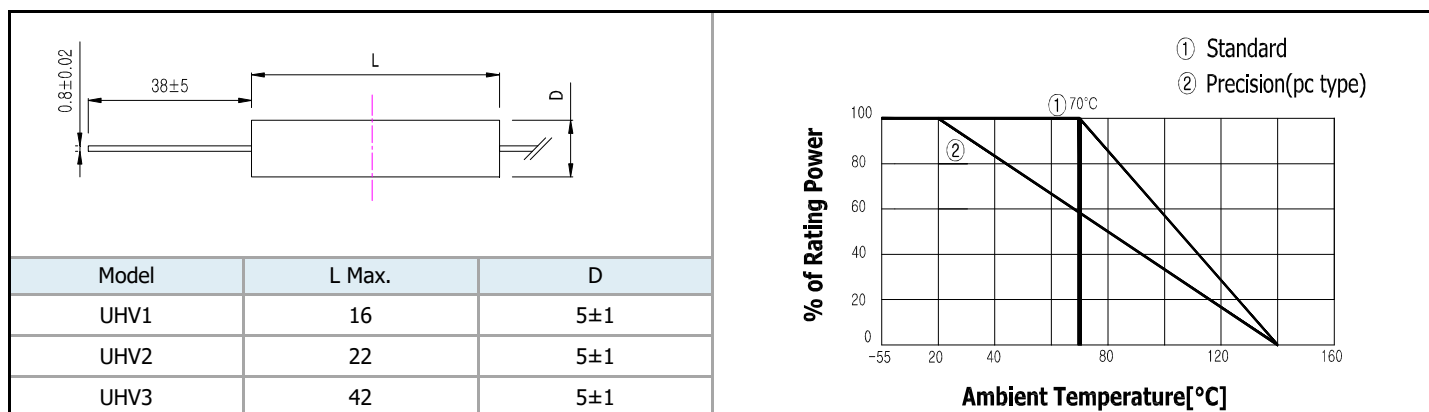
P = Precision Type

CHARACTERISTICS

Values in [] mean Change in Ω After Test

Test	Condition	
Temperature Range	- 55 ~ +150°C	
Insulation Resistance	10G ohm (Min.)	
Voltage Coefficient	≤ 20PPM/°C	
Short time Overload	0.5%	Rated power x 5, for 3Sec
Load Life	0.5%	1000H

SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD & DERATING CURVE



ORDERING PROCEDURE EXAMPLE

	UHV1	P	10KΩ	J	25
	↓	↓	↓	↓	↓
Ex)	Model #	Type	Resistance	Tolerance	TCR
	UHV1 UHV2	- = Standard P = Precision	10KΩ 20KΩ	F (±1%) J (±5%)	500, 100 50, 25