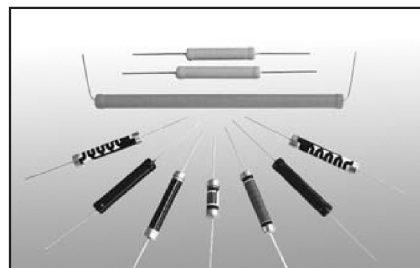


High Voltage Resistors

The HVR series of cylindrical resistors are designed to operate at high voltage at an economical price. The HVR resistor is available with epoxy[E] coating. The epoxy coated models have excellent humidity protection. A wide range of tolerances and TCRs are available in both types.



APPLICATIONS INCLUDE

Automated Test(ATE), Medical(Imaging), Ion Source Chromatography(Gas), Medical(PET, CT), Medical(Radiation therapy) Military, Radar, Lasers, Plasmas, Measurements(High Voltage) Capacitor Charging, Microwave(Klystron), Medical(Blood Analyzers) Corona Generators, Multichannel Analyzers, Ozone Generating Detectors, Nuclear instrumentation, Medical(Gamma Cameras) Electron Beam, Testing, Pulse Generators, Surface Analysis CRT, X-Ray, MRI, Electrophoresis, Image Intensifier Surface Analysis, Piezo. Focusing(poling), High Voltage Dividers Stress Testing, Agricultural Sensors, Ion Beam

GENERAL SPECIFICATIONS

Model	Rated Power [W]	Maximum Voltage [kV]	Resistance Range[Ω]	
			Minimum	Maximum
HVR15	0.7	2.5	1K	200M
HVR19	1.0	3.5	1K	200M
HVR25	1.2	5.5	1K	200M
HVR24	2.0	5.5	1K	300M
HVR39	3.0	10	1K	500M
HVR52	5.0	15	1K	500M
HVR76	7.5	22.5	1K	500M
HVR102	10	32	1K	700M
HVR127	12	40	1K	500M
HVR152	15	48	1K	700M

(1) in fully epoxy molded case condition, precision high voltage dividers required very long life stability in harsh condition

CHARACTERISTICS

Tolerance	±0.5%, ±1%, ±2%, ±5%, ±10%	
Temperature Range	-55°C~+195°C	
Temperature Coefficient	±100ppm/°C	Standard referenced to 25°C, from -25°C to +125°C (±80ppm/°C and special TCR upon request)
Short Time Overload	±[0.5%]	5 x Power rating for 5seconds / Applied voltage not to exceed 1.5times maximum operating voltage
Thermal Shock	±[0.25%]	Mil-Std-220, Method-107, Cond, C
Load Life	±[0.7%]	1,000 hours at rated power
Moisture Resistance	±[0.4%]	Mil-Std-202, Method 106
Insulation Resistance	10,000MΩ minimum	

DIMENSIONS [mm]

Model	Dimensions(mm)		
	A	B	C
HVR15	15±1.5	5±1.5	0.8
HVR19	19±1.5	5±1.5	0.8
HVR25	25.4±1.5	5±1.5	0.8
HVR24	24±1.5	8±1.5	1.0
HVR39	39±1.5	8±1.5	1.0
HVR52	52±1.5	8±1.5	1.0
HVR76	76±2	9±1	1.0
HVR102	102±2	9±1	1.0
HVR127	127±2	9±1	1.0
HVR152	152±2	9±1	1.0

DERATING CURVES AND ORDERING PROCEDURE EXAMPLE

