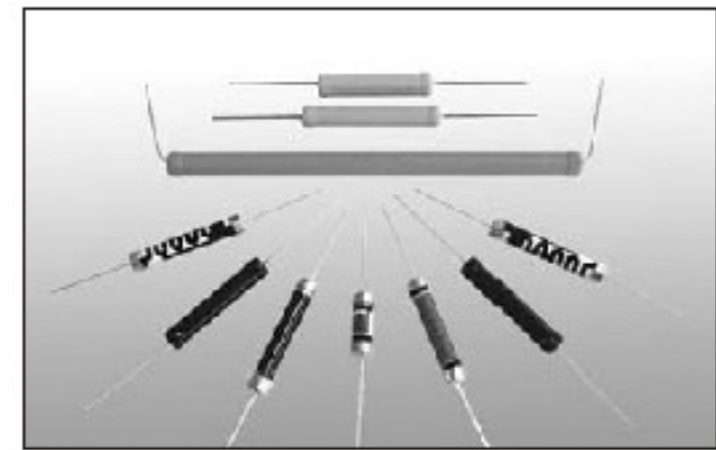


The HVR series of cylindrical resistors are designed to operate at high voltage at an economical price. The HVR resistor is available with silicone[S] coating or epoxy[E] coating. The epoxy coated models have excellent humidity protection. A wide range of tolerances and TCRs are available in both types.



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	Wattage [W]	Wattage III in molded	Max Voltage [kV]	Resistance Range[Ω]	
				Min.	Max.
HVR15	0.2	N/A	2.0	100K	500M
HVR19	0.3	N/A	2.5	100K	500M
HVR25	0.5	N/A	4.5	100K	500M
HVR24	1.5	N/A	4.0	100K	500M
HVR39	2.5	0.8	10.0	100K	1G
HVR52	3.0	1.0	15.0	100K	1G
HVR76	4.5	1.5	22.5	100K	1G
HVR102	6.0	2.0	32.0	100K	1G
HVR117	7.0	2.3	35.0	100K	1G
HVR127	7.5	2.5	37.0	100K	1G
HVR137	8.0	2.7	40.0	100K	1G
HVR152	9.0	3.0	48.0	100K	1G

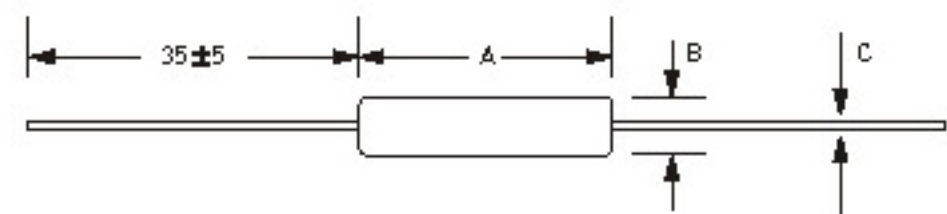
III in fully epoxy/or silicone rubber molded case condition, precision high voltage dividers required very long life stability in harsh condition

CHARACTERISTICS

Tolerance		±0.5%, ±1%, ±2%, ±5%, ±10%
Temperature Range		-55℃~+195℃
Temp. Coefficient		Std, 75ppm/℃, Other special TCR on request (20ppm/℃,35ppm/℃,50ppm/℃, 60ppm/℃,85ppm/℃)
Short Time Overload	±[0.5%]	5*Power Rating for 5sec.
Thermal Shock	±[0.25%]	Mil-Std-220, Method-107, Cond, C
Load Life	±[0.5%]	1,000 hours at rated power
Moisture Resistance	±[0.4%]	Mil-Std-202, Method 106
Insulation Resistance		10,000MΩ Min

DIMENSIONS (mm)

Model	Dimensions(mm)		
	A	B	C
HVR15	15±1.5	5.0±1.5	0.8
HVR19	19±1.5	5.0±1.5	0.8
HVR25	25.4±1.5	5.0±1.5	0.8
HVR24	24.0±1.5	8.0±1.5	1.0
HVR39	39.0±1.5	8.0±1.5	1.0
HVR52	52.0±1.5	8.0±1.5	1.0
HVR76	76.0±2.0	8.0±1.0	1.0
HVR102	102.0±2.0	9.0±1.0	1.0
HVR117	117.0±2.0	9.0±1.0	1.0
HVR127	127.0±2.0	9.0±1.0	1.0
HVR137	137.0±2.0	9.0±1.0	1.0
HVR152	152.0±2.0	9.0±1.0	1.0



DERATING CURVE AND ORDERING PROCEDURE EXAMPLE

