

# FV & DVN SERIES PRECISION HIGH VOLTAGE



Specialists in precision high value, high voltage resistors and networks, serving the industry since 1972.

The **FV 7** plate was originally designed to meet the rigors of military avionics. This tested and proven design has now been expanded into a complete series to meet today's requirements of advanced x-rays, radar systems, TWT supplies, and HI RES CRT's.

Type **DVN** precision high voltage divider networks can be produced with a broad range of resistance values, voltage ratios tolerances, and ratio temperature coefficients. Contact our Applications Engineering Department about your high voltage divider requirements.

## ENVIRONMENTAL PERFORMANCE

**Load Life:** 1,000 hours at rated voltage at +70°C, not to exceed rated power,  $\Delta R$ , 0.10% Max.

**Overtoltage/Overload:** 1.5 times rated voltage, not to exceed 5 times rated power for 5 sec.,  $\Delta R$ , 0.25% Max.

**Thermal Shock:** MIL-STD-202, Method 107, Cond. F,  $\Delta R$ , 0.10% Max.

**Moisture Resistance:** MIL-STD-202, Method 106,  $\Delta R$ , 0.50% Max.

**Insulation Resistance:** 10,000 Megohms minimum, at 750 volts DC.

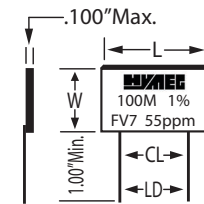
**Shelf Life:** 1 year at +25°C,  $\Delta R$ , 0.10% Max.

**Dielectric Strength:** MIL-STD-202, Method 301,  $\Delta R$ , 0.25% Max.

**Voltage Coefficient:** 0.5ppm max. when tested per MIL-STD-202, Method 309

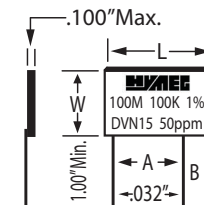
## FV SPECIFICATIONS

HMC TYPE	WATTAGE RATING	VOLTAGE RATINGS	RESISTANCE RANGE	DIMENSIONS			
				L	W	CL	LD
FV3	2.0 W	5.0K VDC	1Megohm - 1200 Megohms	1.00	.350	.800	.032
FV7	3.0 W	12.0K VDC	1Megohm - 5000 Megohms	1.10	.580	.870	.032
FV10	4.0 W	20.0K VDC	1Megohm - 5000 Megohms	2.00	.500	1.80	.032
FV15	6.0 W	30.0K VDC	1Megohm - 10000 Megohms	2.00	1.00	1.80	.032



## DVN SPECIFICATIONS

HMC TYPE	WATTAGE RATING	VOLTAGE RATINGS	RESISTANCE RANGE	MAX. RATIO	DIMENSIONS			
					L	W	A	B
DVN2	1.0 W	5.0K VDC	1Meg - 1.0 KM	1000:1	.750	.680	.450	.200
DVN7	2.0 W	10.0K VDC	1Meg - 5.0 KM	1500:1	1.10	.580	.700	.200
DVN10	4.0 W	20.0K VDC	1Meg - 5.0 KM	3000:1	2.00	.500	1.80	.200
DVN15	6.0 W	25.0K VDC	1Meg - 10.0 KM	5000:1	2.00	1.00	1.60	.200



## ENVIRONMENTAL PERFORMANCE

**Load Life:** 1,000 hours at rated voltage at +70°C, not to exceed rated power,  $\Delta R$ , 0.10% Max.

**Overtoltage/Overload:** 1.5 times rated voltage for 5 sec.,  $\Delta R$ , 0.25% Max.

**Thermal Shock:** MIL-STD-202, Method 107, Cond. C,  $\Delta R$ , 0.10% Max.

**Moisture Resistance:** MIL-STD-202, Method 106,  $\Delta R$ , 0.50% Max.

**Insulation Resistance:** 10,000 Megohms minimum, at 750 volts DC.

**Shelf Life:** 1 year at +25°C,  $\Delta R$ , 0.10% Max.

**Dielectric Strength:** MIL-STD-202, Method 301,  $\Delta R$ , 0.25% Max.

**Ratio Voltage Coefficient:** 0.5ppm max. when tested per MIL-STD-202, Method 309



sales@hymeg.com  
www.hymeg.com

**HYMEG Corporation**  
Call: 800-322-1953  
P.O. Box 18802 • Clearwater, FL 33762