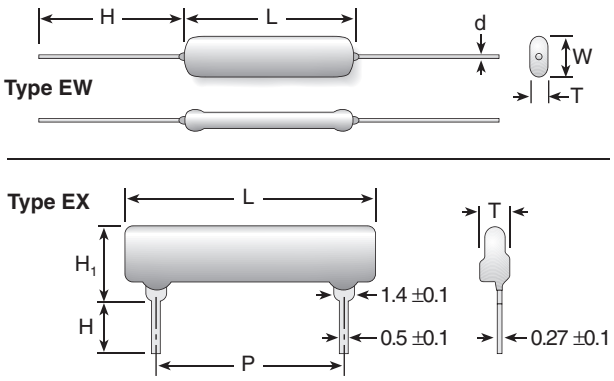
Econo-Mox Series

Thick Film High Voltage Resistors
Planar and Axial Lead Packages



Ohmite's High Voltage Resistor offering is now expanded to include this lower cost, commercial Econo-Mox product line

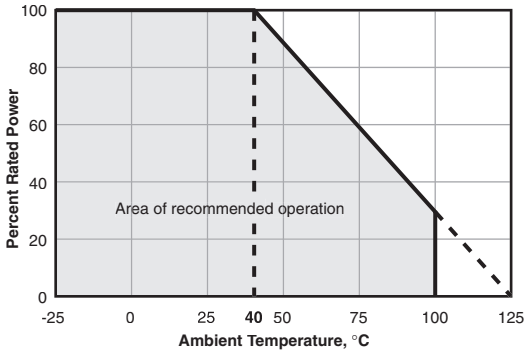
FEATURES

- High Voltage Ratings
- Stable characteristics under pulse voltage

SPECIFICATIONS

Material
Substrate: Alumina
Resistor: Thick Film
Electrical
Resistance Range: 1M-1000M
Power Rating: 0.50-2.00 watts
Voltage Rating: 3.50-10.0 KV
Tolerance: 2-20%
Derating: Linearly from 100% at 40°C to 0%

DERATING



Type	Resistance Range (Mohm)	Power Rating (W)	Voltage Rating (kV)	Maximum Overvoltage (kV)	Pulse Voltage (kV)	TCR	Dimensions (mm) L max	W max	T max	H ±1.0	d
EW1	1M-500M	0.5	3.5	5.0	15.0	±200	22.5	5.5	4.0	35.0	0.7
EW2	1M-1000M	1.0	7.5	10.0	20.0	±200	27.5	7.5	4.0	35.0	0.7
EW3	1M0-1000M	2.0	10.0	15.0	30.0	±200	53.5	8.0	4.0	35.0	0.7
							L max	**H1 max**	**T max**	**P ±1.0**	**H ±0.5**
EX1	1M-500M	0.5	3.5	5.0	15.0	±200	19.0	8.0	3.3	15.0	3.5
EX2	1M-1000M	1.0	7.5	10.0	20.0	±200	26.5	9.0	3.3	22.5	3.5

STOCK PART NUMBERS

Type	EW			EX	
Voltage	**3500V**	**7500V**	**10,000V**	**3500V**	**7500V**
Wattage	**0.50W**	**1.00W**	**2.00W**	**0.50W**	**1.00W**
Tolerance	**2%**	**2%**	**2%**	**2%**	**2%**
Ohms					
1M	EW1G1004	EW2G1004	EW3G1004	EX1G1004	EX2G1004
2.5M	EW1G2504			EX1G2504	EX2G2504
5M		EW2G5004		EX1G5004	EX2G5004
7.5M			EW3G7504	EX1G7504	EX2G7504
10M	EW1G1005			EX1G1005	EX2G1005
15M		EW2G1505			
25M			EW3G2505	EX1G2505	EX2G2505
50M	EW1G5005			EX1G5005	EX2G5005
75M		EW2G7505		EX1G7505	EX2G7505
100M			EW3G1006	EX1G1006	EX2G1006
250M	EW1G2506			EX1G2506	EX2G2506
500M		EW2G5006	EW3G5006	EX1G5006	EX2G5006

ORDERING INFORMATION

E = RoHS compliant
Available Jan. 2006

EX2F1006E

Type	Tolerance	Ohms
EW1	G = 2%	First 3 digits are significant; 4th digit is multiplier (# of zeroes to follow). Examples: 1204 = 1,200,000 1205 = 12,000,000 1206 = 120,000,000
EW2	J = 5%	
EW3	K = 10%	
EX1	L = 20%	
EX2		