

- Features:
- Flameproof inorganic construction
 - High temperature potting compound
 - VM – Wirewound on fiberglass element
 - MVM – Metal oxide element for higher values
 - RoHS compliant / lead-free

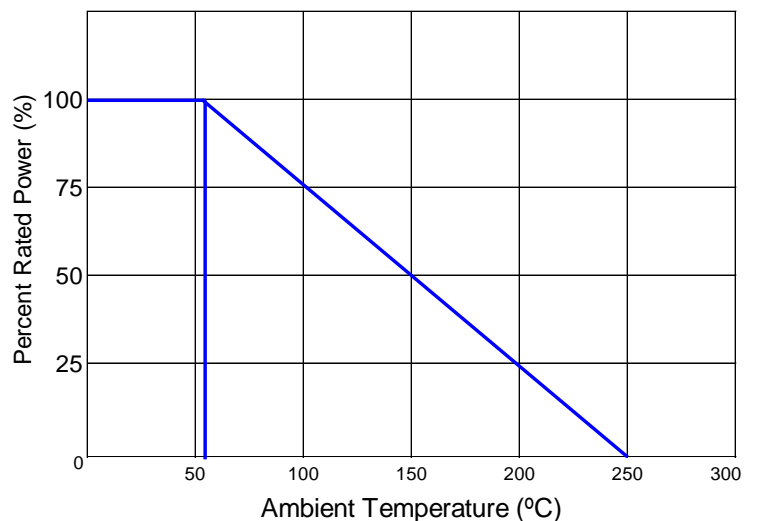


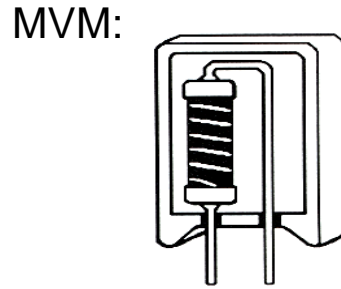
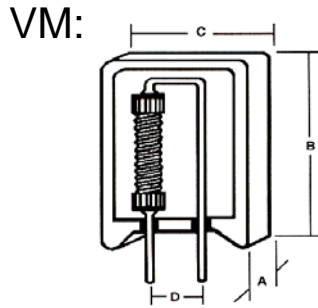
Electrical Specifications					
Type / Code	Power Rating (Watts) @ 70°C	Voltage Rating (Volts)	TCR (ppm/°C)	Ohmic Range (Ω) and Tolerance	
				5%	10%
VM2	2W	250V	<1Ω=±800ppm >1Ω=±300ppm	0.056 - 100	0.056 - 100
VM3	3W	300V		0.1 - 100	0.1 - 100
VM5	5W	350V		0.1 - 100	0.1 - 100
VM7	7W	500V		0.39 - 470	0.39 - 470
VM10	10W	700V		0.56 - 680	0.56 - 680
MVM2	2W	250V	±200ppm	0.1 - 51K	-
MVM3	3W	300V		0.1 - 51K	-
MVM5	5W	350V		0.1 - 51K	-
MVM7	7W	500V		510 - 51K	-
MVM10	10W	700V		750 - 51K	-

Maximum Working Voltage is limited by \sqrt{PR} unless specified otherwise.

Performance Characteristics	
Test	Test Results
Moisture Resistance	± 5%
Thermal Shock	± 2%
Load Life @ 70°C - 1,000 hrs.	± 5%
Resistance to Soldering Heat	± 2%
Short Time Overload - 5xPn for 5sec	± 2%
Dielectric Withstanding Voltage	± 2%

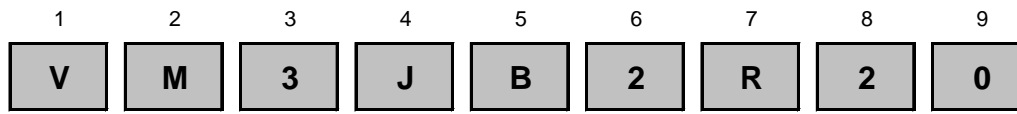
Power Derating Curve:





Mechanical Specifications							
Type / Code	A	B	C	D	Lead Diameter	Lead Length	Unit
VM2/MVM2	0.276 ± 0.039	0.807 ± 0.039	0.433 ± 0.039	0.197 ± 0.039	0.031 ± 0.002	0.138 ± 0.020	inches
	7.00 ± 1.00	20.50 ± 1.00	11.00 ± 1.00	5.00 ± 1.00	0.80 ± 0.05	3.50 ± 0.50	mm
VM3/MVM3	0.335 ± 0.039	0.984 ± 0.039	0.492 ± 0.039	0.197 ± 0.039	0.031 ± 0.002	0.138 ± 0.020	inches
	8.50 ± 1.00	25.00 ± 1.00	12.50 ± 1.00	5.00 ± 1.00	0.80 ± 0.05	3.50 ± 0.50	mm
VM5/MVM5	0.374 ± 0.039	0.984 ± 0.039	0.512 ± 0.039	0.197 ± 0.039	0.031 ± 0.002	0.138 ± 0.020	inches
	9.50 ± 1.00	25.00 ± 1.00	13.00 ± 1.00	5.00 ± 1.00	0.80 ± 0.05	3.50 ± 0.50	mm
VM7/MVM7	0.374 ± 0.039	1.535 ± 0.059	0.512 ± 0.039	0.197 ± 0.039	0.031 ± 0.002	0.138 ± 0.020	inches
	9.50 ± 1.00	39.00 ± 1.50	13.00 ± 1.00	5.00 ± 1.00	0.80 ± 0.05	3.50 ± 0.50	mm
VM10/MVM10	0.472 ± 0.039	1.378 ± 0.039	0.630 ± 0.039	0.295 ± 0.039	0.031 ± 0.002	0.138 ± 0.020	inches
	12.00 ± 1.00	35.00 ± 1.00	16.00 ± 1.00	7.50 ± 1.00	0.80 ± 0.05	3.50 ± 0.50	mm

How to Order



Product Series		Size	Power	Tolerance		Packaging			Resistance Value
VM	Standard WW	2	2W	Code	Tol	Code	Description	Quantity	Four characters with the multiplier used as the decimal holder. "L" used as multiplier of 10 ⁻³ for any value under 0.1 ohm. 0.056 ohm = 56L0 0.1 ohm = R100 680 ohm = 680R 51 Kohm = 51K0
MVM	Metal Oxide	3	3W	J	5%	B	Bulk	1,800	
		5	5W	K	10%			1,500	
		7	7W					1,500	
		10	10W					800	
								600	