

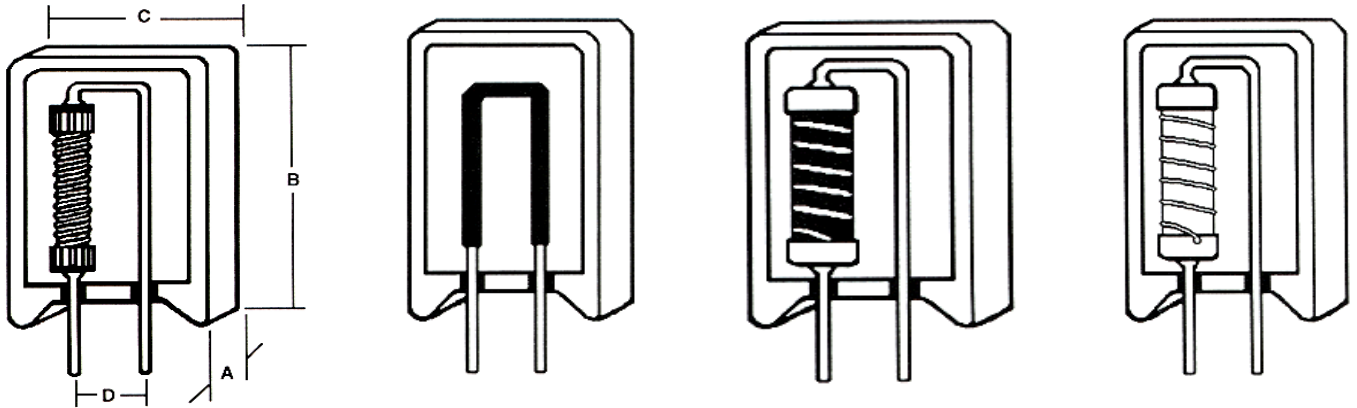
- Features:
- Flameproof inorganic construction
 - High temperature potting compound
 - VM – Wirewound on fiberglass element
 - MVM – Metal oxide element for higher values
 - LVM – Low resistance wire or ribbon element
 - WVM – Precision wirewound element
 - RoHS compliant / lead-free
 - See CB Series for Performance Characteristics



Electrical Specifications						
Type / Code	Power Rating (Watts) @ 70°C	Ohmic Range (Ω) and Tolerance				
		Voltage Rating	0.5%	1%	5%	10%
VM2	2W	-	-	-	0.1 - 100	0.1 - 100
VM3	3W	-	-	-	0.1 - 125	0.1 - 125
VM5	5W	-	-	-	0.1 - 150	0.1 - 150
VM7	7W	-	-	-	0.2 - 300	0.2 - 300
VM10	10W	-	-	-	0.2 - 300	0.2 - 300
MVM3	3W	250V	-	-	560 - 33K	-
MVM5	5W	350V	-	-	560 - 50K	-
MVM7	7W	-	-	-	1.6K - 50K	-
MVM10	10W	-	-	-	1.6K - 50K	-
LVM2	2W	-	-	0.01 - 0.1	0.01 - 0.1	0.01 - 0.1
LVM3	3W	-	-	0.01 - 0.1	0.01 - 0.1	0.01 - 0.1
LVM5	5W	-	-	0.01 - 0.1	0.01 - 0.1	0.01 - 0.1
LVM7	7W	-	-	0.02 - 0.15	0.02 - 0.15	0.02 - 0.15
LVM10	10W	-	-	0.02 - 0.15	0.02 - 0.15	0.02 - 0.15
WVM2	2W	-	0.1 - 2K	0.1 - 2K	0.1 - 2K	-
WVM3	3W	-	0.1 - 5K	0.1 - 5K	0.1 - 5K	-
WVM5	5W	-	0.1 - 5K	0.1 - 5K	0.1 - 5K	-
WVM7	7W	-	0.1 - 8K	0.1 - 8K	0.1 - 8K	-
WVM10	10W	-	0.1 - 8K	0.1 - 8K	0.1 - 8K	-

Maximum Working Voltage is limited by \sqrt{PR}
Resistance Temperature Coefficient Standard

- VM Series: ±800ppm below 1Ω & ±300ppm at 1Ω and above
MVM Series: ±200ppm
LVM Series: ±50 to ±400ppm depending on value
WVM Series: ±90ppm below 1Ω, ±50ppm from 1Ω to 10Ω & ±20ppm above 10Ω



VM 2 lead diameter is 0.032 and MVM, LVM & WVM lead diameter is 0.036.
Series VM, MVM, LVM & WVM have the same dimensions.

Mechanical Specification					
Type / Code	A	B	C	D	Unit
VM2	0.28 ± 0.039 7.1 ± 1	0.82 ± 0.059 20.8 ± 1.5	0.435 ± 0.039 11 ± 1	0.2 ± 0.059 5.1 ± 1.5	inches mm
VM3	0.38 ± 0.039 9.7 ± 1	0.975 ± 0.059 24.8 ± 1.5	0.475 ± 0.039 12.1 ± 1	0.2 ± 0.059 5.1 ± 1.5	inches mm
VM5	0.38 ± 0.039 9.7 ± 1	0.99 ± 0.059 25.1 ± 1.5	0.52 ± 0.039 13.2 ± 1	0.2 ± 0.059 5.1 ± 1.5	inches mm
VM7	0.38 ± 0.039 9.7 ± 1	1.52 ± 0.059 38.6 ± 1.5	0.52 ± 0.039 13.2 ± 1	0.2 ± 0.059 5.1 ± 1.5	inches mm
VM10	0.48 ± 0.039 12.2 ± 1	1.375 ± 0.059 34.9 ± 1.5	0.635 ± 0.039 16.1 ± 1	0.3 ± 0.059 7.6 ± 1.5	inches mm

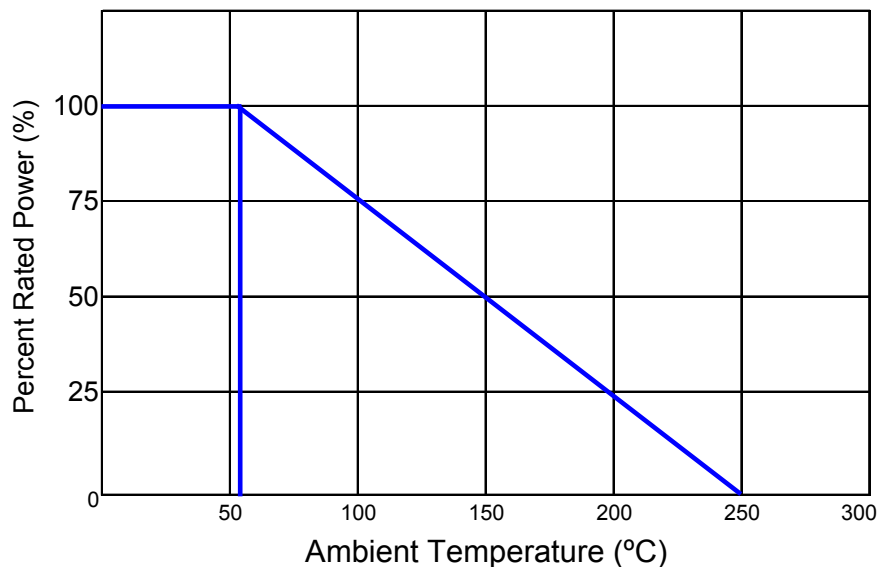
VM lead length 0.175 ± 0.032 and lead diameter 0.032

MVM lead length 0.175 ± 0.032 and lead diameter 0.032

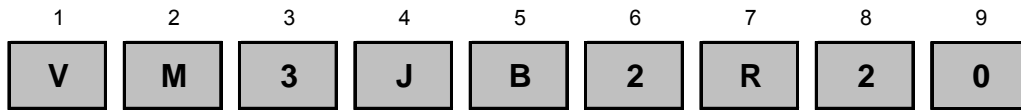
LVM lead length 0.175 ± 0.032 and LVM 2 to LVM 5 lead diameter 0.032 & LVM 7 to LVM 10 lead diameter 0.036

WVM lead length 0.175 ± 0.032 and WVM 2 to WVM 5 lead diameter 0.032 & WVM 7 to WVM 10 lead diameter 0.036

Power Derating Curve:



How to Order



Product Series	
VM	Standard WW
MVM	Metal Oxide
LVM	Ribbon Element
WVM	Precision WW
NVM	Non-inductive WW

Size	Power
2	2W
3	3W
5	5W
7	7W
10	10W

Tolerance	
Code	Tol
D	0.5%
F	1%
J	5%
K	10%

Packaging			
Code	Description	Size	Quantity
B	Bulk	MVM3, MVM5	1,500
		MVM7, MVM10	1,000
		VM2, VM3, VM5	750
		VM7, VM10	250
		LVM, WVM	500

Resistance Value
Four characters with the multiplier used as the decimal holder.
0.1 ohm = R100
1 ohm = 1R00
10 ohm = 10R0
100 ohm = 100R

Legacy Part Number (before January 3, 2011):

SEI Type		Code	Nominal Resistance	Tolerance	Packaging			
VM		3	2.2	5%	B			
Type	Description	Code		Tolerance	Types	Qty	Description	Code
VM	Standard WW	2		0.5%	MVM3, MVM5	1,500	Bulk	B
MVM	Metal Oxide	3		1%	MVM7, MVM10	1,000		
LVM	Ribbon Element	5		5%	VM2, VM3, VM5 MVM	750		
WVM	Precision WW	7		10%	VM7, VM10	250		
NVM	Non-inductive WW	10			LVM, WVM	500		