

VM/MVM/LVM/WVM Series — Ceramic Housed Vertical Mount



Features

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



Electrical Specifications

Type / Code	Power Rating (Watts) @ 70°C	Ohmic Range and Tolerance			
		0.5%	1%	5%	10%
VM 2	2W	–	–	0.1Ω – 100Ω	0.1Ω – 100Ω
VM 3	3W	–	–	0.1Ω – 125Ω	0.1Ω – 125Ω
VM 5	5W	–	–	0.1Ω – 150Ω	0.1Ω – 150Ω
VM 7	7W	–	–	0.2Ω – 300Ω	0.2Ω – 300Ω
VM 10	10W	–	–	0.2Ω – 300Ω	0.2Ω – 300Ω
MVM 3	3W	–	–	100Ω – 1KΩ	100Ω – 100KΩ
MVM 5	5W	–	–	100Ω – 1KΩ	100Ω – 100KΩ
LVM 2	2W	–	0.01Ω – 0.1Ω	0.01Ω – 0.1Ω	0.01Ω – 0.1Ω
LVM 3	3W	–	0.01Ω – 0.1Ω	0.01Ω – 0.1Ω	0.01Ω – 0.1Ω
LVM 5	5W	–	0.01Ω – 0.1Ω	0.01Ω – 0.1Ω	0.01Ω – 0.1Ω
LVM 7	7W	–	0.02Ω – 0.15Ω	0.02Ω – 0.15Ω	0.02Ω – 0.15Ω
LVM 10	10W	–	0.02Ω – 0.15Ω	0.02Ω – 0.15Ω	0.02Ω – 0.15Ω
WVM 2	2W	0.1Ω – 2KΩ	0.1Ω – 2KΩ	0.1Ω – 2KΩ	–
WVM 3	3W	0.1Ω – 5KΩ	0.1Ω – 5KΩ	0.1Ω – 5KΩ	–
WVM 5	5W	0.1Ω – 5KΩ	0.1Ω – 5KΩ	0.1Ω – 5KΩ	–
WVM 7	7W	0.1Ω – 8KΩ	0.1Ω – 8KΩ	0.1Ω – 8KΩ	–
WVM 10	10W	0.1Ω – 8KΩ	0.1Ω – 8KΩ	0.1Ω – 8KΩ	–

Maximum Working Voltage is limited by \sqrt{PR}

Resistance Temperature Coefficient Standard:

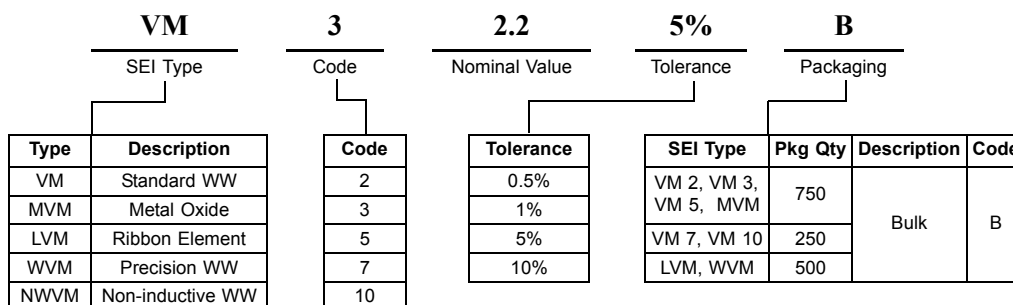
VM series: ± 800 ppm below 1Ω & ± 300 ppm at 1Ω and above

MVM series: ± 200 ppm

LVM series: ± 50 to ± 400 ppm depending on value

WVM series: ± 90 ppm below 1Ω, ± 50 ppm from 1Ω to 10Ω & ± 20 ppm above 10Ω.

How to Order



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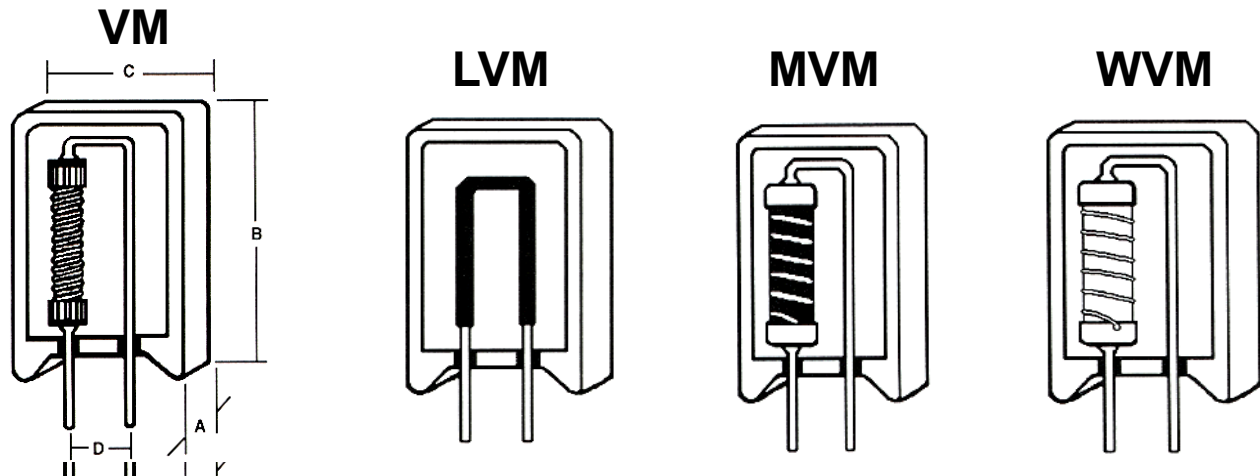
Mechanical Specifications					
Type / Code	A	B	C	D	Units
Tolerance	± 0.039	± 0.059	± 0.039	± 0.059	inches
	± 1.0	± 1.5	± 1.0	± 1.5	mm
VM 2	0.280 7.1	0.820 20.8	0.435 11.0	0.200 5.1	inches mm
VM 3	0.380 9.7	0.975 24.8	0.475 12.1	0.200 5.1	inches mm
VM 5	0.380 9.7	0.990 25.1	0.520 13.2	0.200 5.1	inches mm
VM 7	0.380 9.7	1.520 38.6	0.520 13.2	0.200 5.1	inches mm
VM 10	0.480 12.2	1.375 34.9	0.635 16.1	0.300 7.6	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



*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.

