

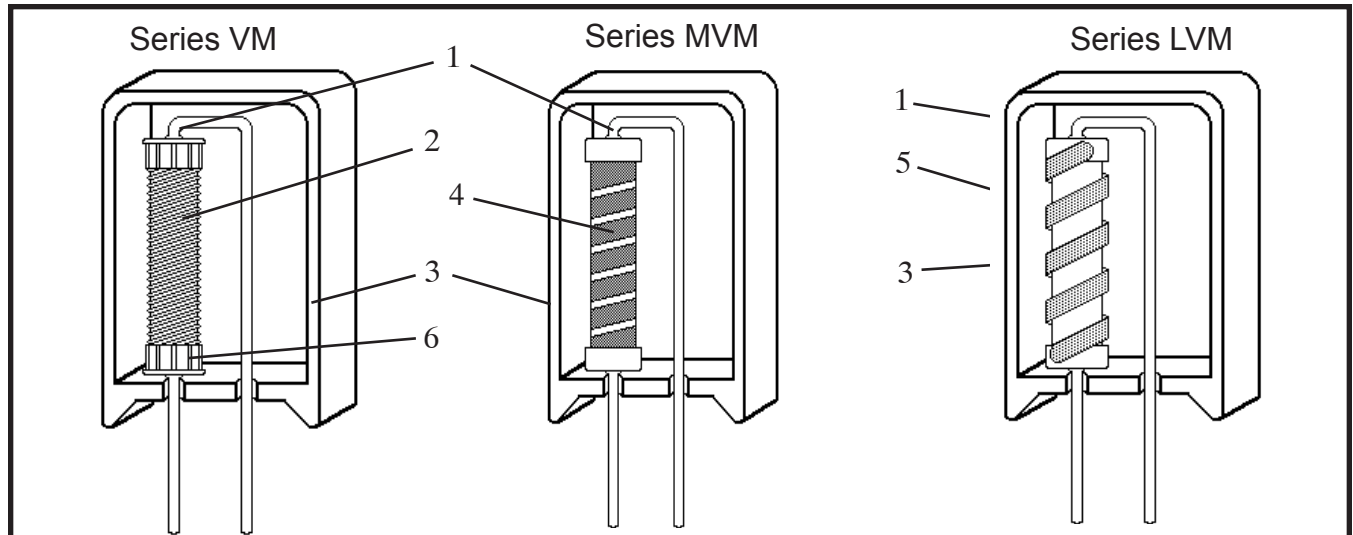


CODECO CORPORATION OF VERMONT

Series: VM

Vertical Mount Ceramic Resistors

The VM series is the same as the CB series with radial leads. A resistive element is wound around a fiberglass core using precision winders to ensure uniform windings. Depending on the value of the resistance, this element may be either nichrome wire, a metal oxide element or a welded alloy ribbon. Wire leads and caps are secured to these elements and then the assembly is installed in a fireproof ceramic boat and sealed with an especially formulated silicone compound. This provides excellent heat dissipation as well as single unit construction. The VM series comes in four sub-series: VM, SVM, LVM and WVM. This represents mid-range value, standard range value, low value and extremely low value resistances. All VM series parts are RoHS compliant.



- 1. Welded construction
- 2. NiCr resistive element
- 3. Inorganic flame-proof case
- 4. Metal oxide element
- 5. Percussion welded alloy ribbon
- 6. Six sided crimp for positive connections

Type	Resistance Range (ohms)	Tolerances (±%)	Temperature Coefficient (PPM/°C)
MVM	100Ω to 10K	5%, 10%	Less than 400PPM
VM	.1Ω to 300Ω	5%, 10%	Less than 300PPM
LVM	.01Ω to 1Ω	.5%, 1%, 2%, 5%, 10%	Less than 300PPM
VM	.1 to 8K	0.5%, 1%, 2%, 5%	Less than 300PPM

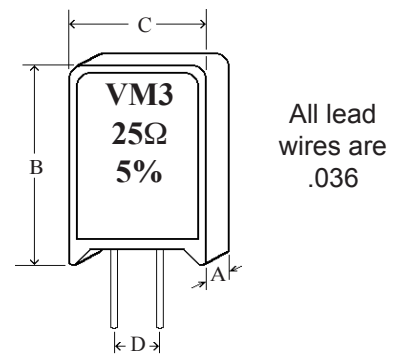
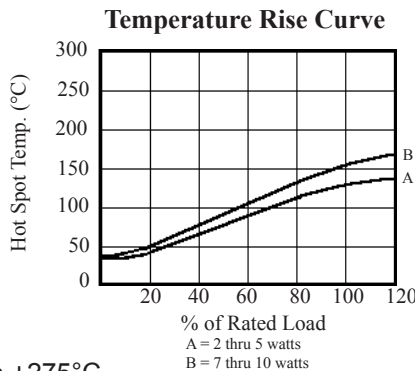
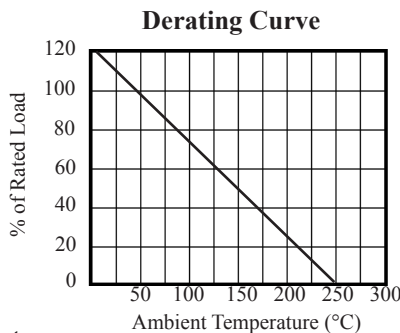
Order this part in a non-inductive winding by specifying N before the type letters (NLVM). Since all parts are made to order, we will make any reasonable value.



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Dimension Table for the VM Series

Type	Power (Watts)	A (ins.)	B (ins.)	C (ins.)	D (ins.)	Resistance Range
MVM3	3	.380	.975	.475	.200	100Ω-10K
MVM5	5	.380	.990	.520	.200	100Ω-10K
VM2	2	.280	.820	.435	.200	.1Ω-100Ω
VM3	3	.380	.975	.475	.200	.1Ω-125Ω
VM5	5	.380	.990	.520	.200	.1Ω-150Ω
VM7	7	.380	1.520	.520	.200	.2Ω-300Ω
VM10	10	.480	1.375	.635	.300	.2Ω-300Ω
LVM2	2	.280	.820	.435	.200	.01Ω-0.1Ω
LVM3	3	.380	.975	.475	.200	.01Ω-0.1Ω
LVM5	5	.380	.990	.520	.200	.01Ω-0.1Ω
LVM7	7	.380	1.520	.520	.200	.02Ω-0.15Ω
LVM10	10	.480	1.375	.635	.300	.02Ω-0.15Ω
WVM2	2	.280	.820	.435	.200	.1Ω-2K
WVM3	3	.380	.975	.475	.200	.1Ω-5K
WVM5	5	.380	.990	.520	.200	.1Ω-5K
WVM7	7	.380	1.520	.520	.200	.1-8K
WVM10	10	.480	1.375	.635	.300	.1-8K



Features:

Operating Temperature Range: -55°C to +275°C

Derating: These parts are designed to meet MIL-R-26 wattages. They are rated at 100% power at +25°C and derated in a straight line to 0% at +275°C. Not recommended for ambient temperatures over +150°C. (50% load)

Marking: All parts are printed alpha-numerically with epoxy ink that will withstand all cleaning solvents.

Construction:

(SVM) Wound on a fiberglass core.

(All other VM Series) Wound on a ceramic core.

Ceramic housing and bonding agent to make a flameproof resistor.