Metal Alloy Resistors, Special Purpose, High Voltage

FEATURES

- HVW and MVW are uncoated. HVX (blue flameproof coating) available on request.
- High Voltage (up to 15 kV)
- Semi-precision: ± 5 %, ± 10 %, ± 20 %
- Axial leads: HVW = Tinned copper
  MVW = Copper clad steel
- Lead (Pb)-free version is RoHS compliant

Pb-free Available

e3

RoHS* COMPLIANT

MATERIAL SPECIFICATIONS

Element: Metal alloy
Core: Alkaline earth porcelain

STANDARD ELECTRICAL SPECIFICATIONS

GLOBAL MODEL	HISTORICAL MODEL	POWER RATING $P_{70\ °C}$ W	VOLTAGE RATING	RESISTANCE RANGE Ω
HVW1/2	HVW-1/2	1.0	3.5 kV	1K0 - 25M
MVW1/2	MVW-1/2	1.0	3.5 kV	1K0 - 25M
HVW3/4	HVW-3/4	1.5	7.5 kV	1K0 - 50M
MVW3/4	MVW-3/4	1.5	7.5 kV	1K0 - 50M
HVW001	HVW-1	2.5	7.5 kV	1K0 - 75M
HVW002	HVW-2	5.0	15.0 kV	1K0 - 200M

Note: All resistance values are calibrated at 100 VDC. Calibration at other voltages upon request.

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: HVW00126K40KLB (preferred part numbering format)

H	V	W	0	0	1	2	6	K	4	0	K	L	B			

GLOBAL MODEL	RESISTANCE VALUE	TOLERANCE CODE	PACKAGING CODE**	SPECIAL
(see Standard Electrical Specifications Table)	**K** = Thousand **M** = Million **1K000** = 1.0 kΩ **47K00** = 47 kΩ **200M0** = 200 MΩ	**J** = ± 5 % **K** = ± 10 % **M** = ± 20 %	**EL** = Lead (Pb)-free, Lacer **EK** = Lead (Pb)-free, Bulk **EE** = Lead (Pb)-free, Reel **LB** = Tin/Lead, Lacer **BJ** = Tin/Lead, Bulk **RC** = Tin/Lead, Reel	Blank = Standard (Dash Number) (up to 3 digits) From **1-999** as applicable

Historical Part Numbering: HVW-126.4K10 % (will continue to be accepted)

HVW-1	26.4 K	10 %	L05
HISTORICAL MODEL	RESISTANCE VALUE	TOLERANCE CODE	PACKAGING

**** Note:** MVW products do not contain lead. Use tin/lead packaging codes to specify these lead free MVW products. Use lead free packaging codes specify lead free HVW and HVX products.

* Pb containing terminations are not RoHS compliant, exemptions may apply

For technical questions, contact: ff2aresistors@vishay.com
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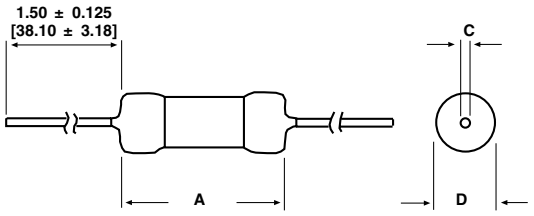
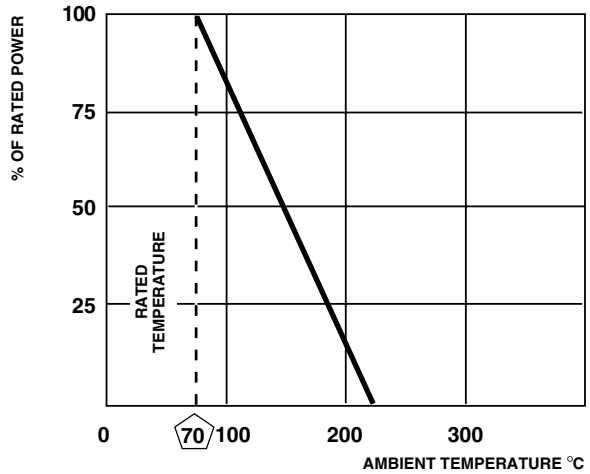
DIMENSIONS in inches [millimeters]

HVW/MVW
(Uncoated)



GLOBAL MODEL	A	C	D (Max.)
HVW1/2	0.545 ± 0.0015 [13.84 ± 0.38]	0.032 ± 0.002 [0.81 ± 0.05]	0.155 [3.94]
MVW1/2	0.545 ± 0.0015 [13.84 ± 0.38]	0.032 ± 0.002 [0.81 ± 0.05]	0.155 [3.94]
HVW3/4	0.895 ± 0.010 [22.73 ± 0.25]	0.032 ± 0.002 [0.81 ± 0.05]	0.155 [3.94]
MVW3/4	0.895 ± 0.010 [22.73 ± 0.25]	0.032 ± 0.002 [0.81 ± 0.05]	0.155 [3.94]
HVW001	0.920 ± 0.020 [23.37 ± 0.51]	0.032 ± 0.002 [0.81 ± 0.05]	0.275 [6.99]
HVW002	2.080 ± 0.030 [52.38 ± 0.76]	0.032 ± 0.002 [0.81 ± 0.05]	0.275 [6.99]



DERATING

Note: For operation in oil or inert atmosphere derating, consult factory.

Disclaimer

All product specifications and data are subject to change without notice.

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