

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: $\pm 5\%$, $\pm 10\%$, $\pm 20\%$
- Axial leads: HVW = Tinned copper
MVW = Copper clad steel
- Lead (Pb)-free version is RoHS compliant



RoHS*
COMPLIANT

MATERIAL SPECIFICATIONS

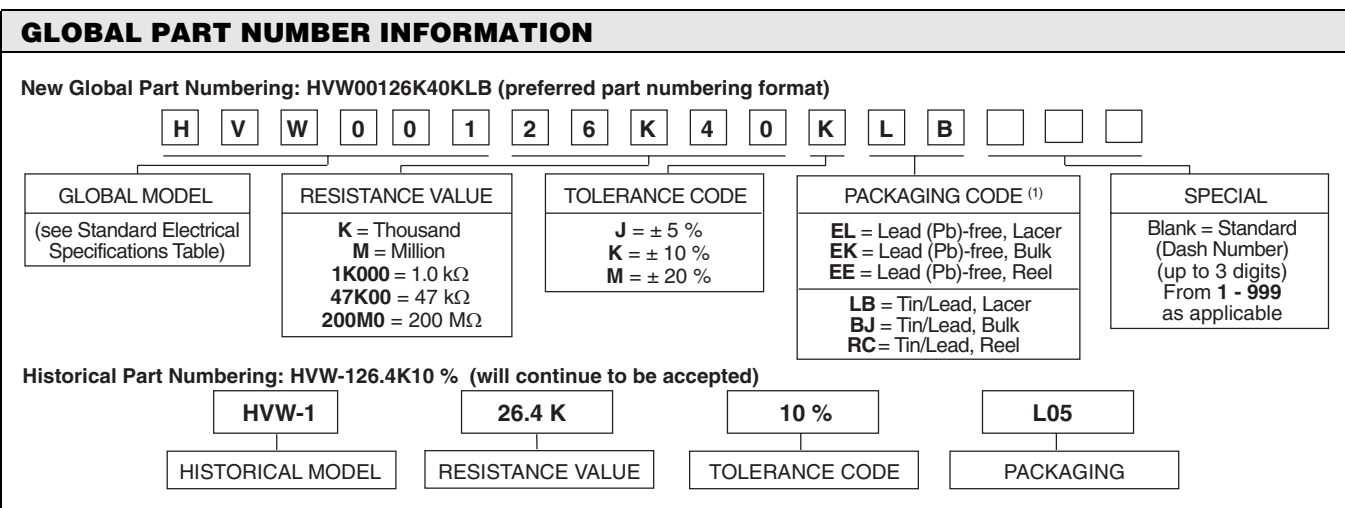
Element: Metal alloy

Core: Alkaline earth porcelain

STANDARD ELECTRICAL SPECIFICATIONS				
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING $P_{70^\circ\text{C}}$ 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.



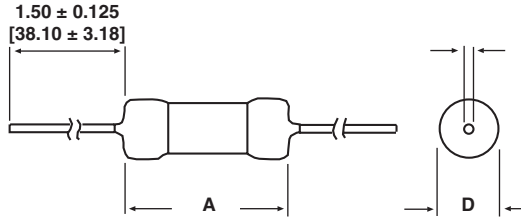
Note:

⁽¹⁾ MVW products do not contain lead. Use tin/lead packaging codes to specify these lead free MVW products. Use lead free packaging codes to specify lead free HVW and HVX products.

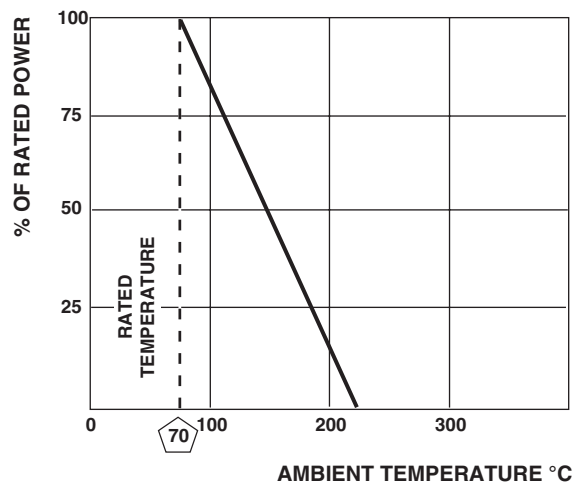
* Pb containing terminations are not RoHS compliant, exemptions may apply

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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