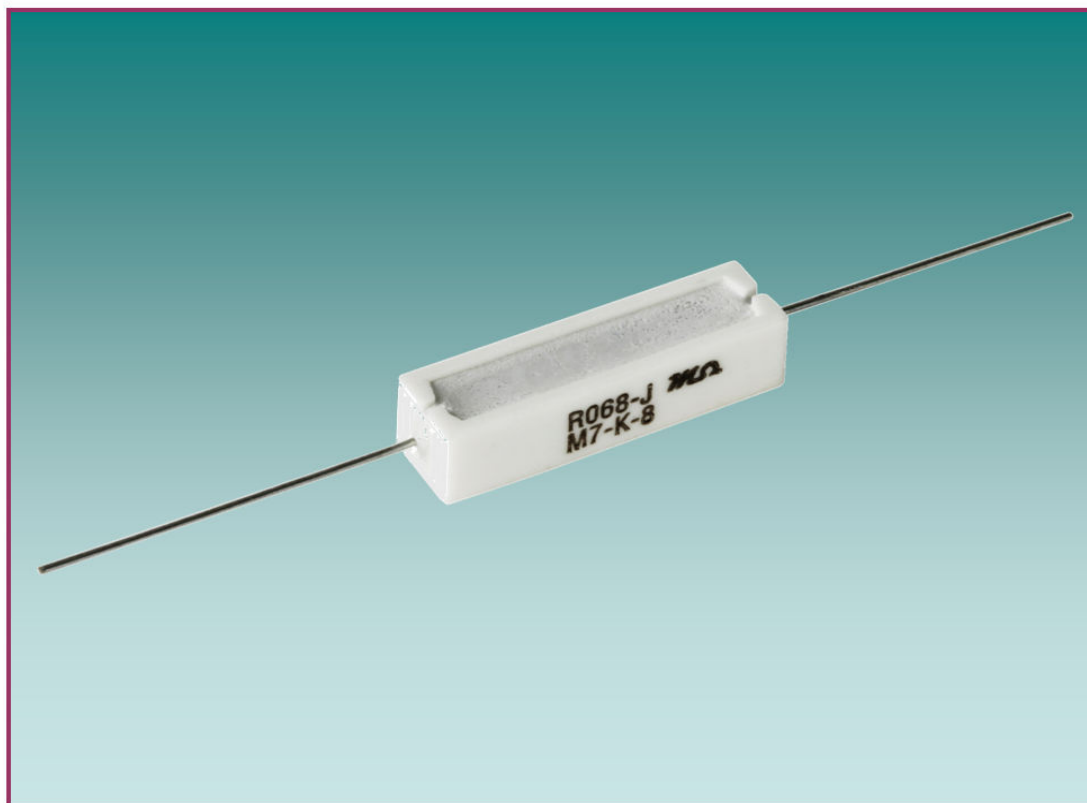


WLO MODULOHM

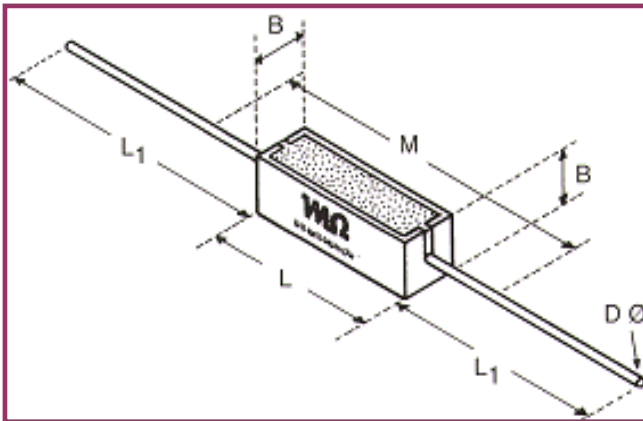
METAL ELEMENT LOW OHM RESISTORS
Series M-K-8 / M-KS8



The MODULOHM M-K-8-and M-KS-8 metal low ohm resistors series are produced from a suitable alloy in form of a non-insulated band or wire. The resistor element is embedded in a steatite case with a special cement to produce a very rugged construction with highly stable electrical and mechanical properties. Spot welded terminals made of hot tinned copper or nickel silver ensure a good solderability and high stable contacts. They have low induction and can be used in commercial as well as in industrial equipment.

Applications:

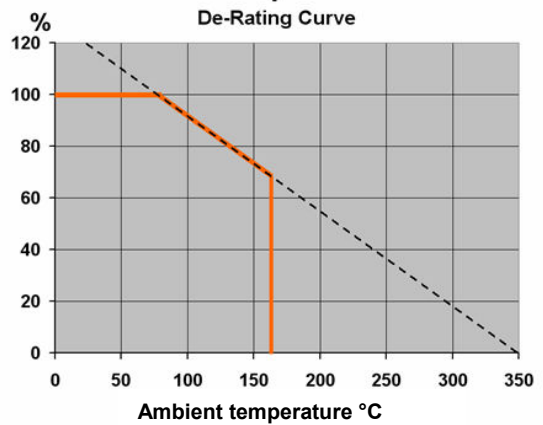
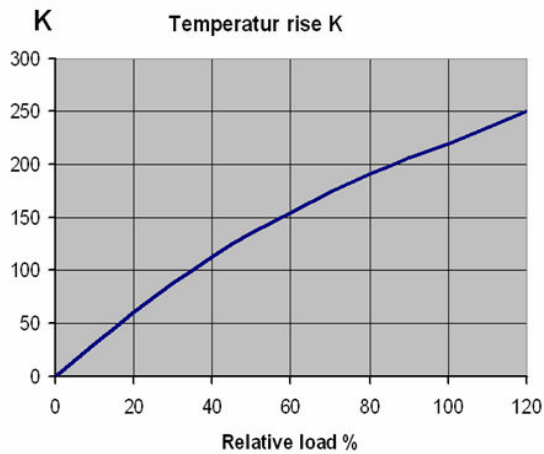
These resistors are mainly used as current sensors in switching and linear power supplies, instruments, regulators and other current sensing circuits. The dissipation of the resistors allow measuring 100 mV over the resistor making the series cover the area from 0,63 A to 15 A. The MODULOHM resistors are produced in EU making it possible to offer our customers a high de of flexibility. Customer specified versions are possible.


Electrical Specifications:

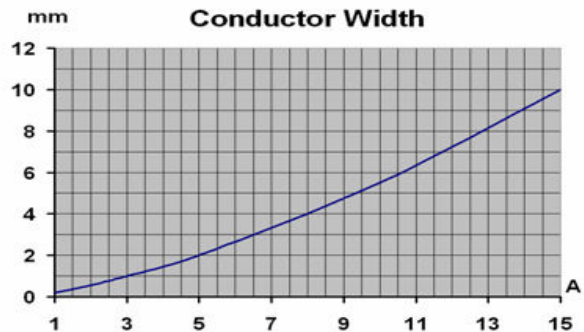
Tolerance*:	±5%
Range:	R005-R16, E12
Temperature coefficient:	+40 - 600 ppm/K
EMF:	-42 $\mu\text{V}^\circ\text{C}^{-1}$

*Resistance value is measured over the centered length M on terminals free of oxide and contaminations. Differing conditions require adequate corrections.

Type	Rated Power P 70 (W)	Resistance Range Ω	Dimensions (mm)				
			L	L ₁	B	D Ø	M
M3-K-8	3	R0068 – R12	22	36	8	0,8	42
M5-KS-8	5	R015 – R12	25	36	7	0,8	45
M7-K8	7	R018 – R15	36	36	10	0,8	56
M10-K-8	10	R022 – R15	48	36	10	0,8	68


Print lay out

By the artwork of the print, care should be taken that the conductor can carry the load. The curve shows the necessary width as a function of the current. (Cu 35 μ and ΔT 20°C). **Example:** 10 ampere ~5,5mm width of 35 μ Cu.


Type identification:

When you have chosen the M-K-type, and the ohm value, please specify the resistor as follows. () only part in ID if option is chosen.

M M5-KS-8 R015 (XXX)

XXX > 400: Customer specified type () : Standard type
 Ohm Value (Examples: 0R22 = 0,22 Ω , R022=22m Ω)
 Type M3-K-8 / M5-KS-8 / M7-K8 / M10-K8
 Modulohm type