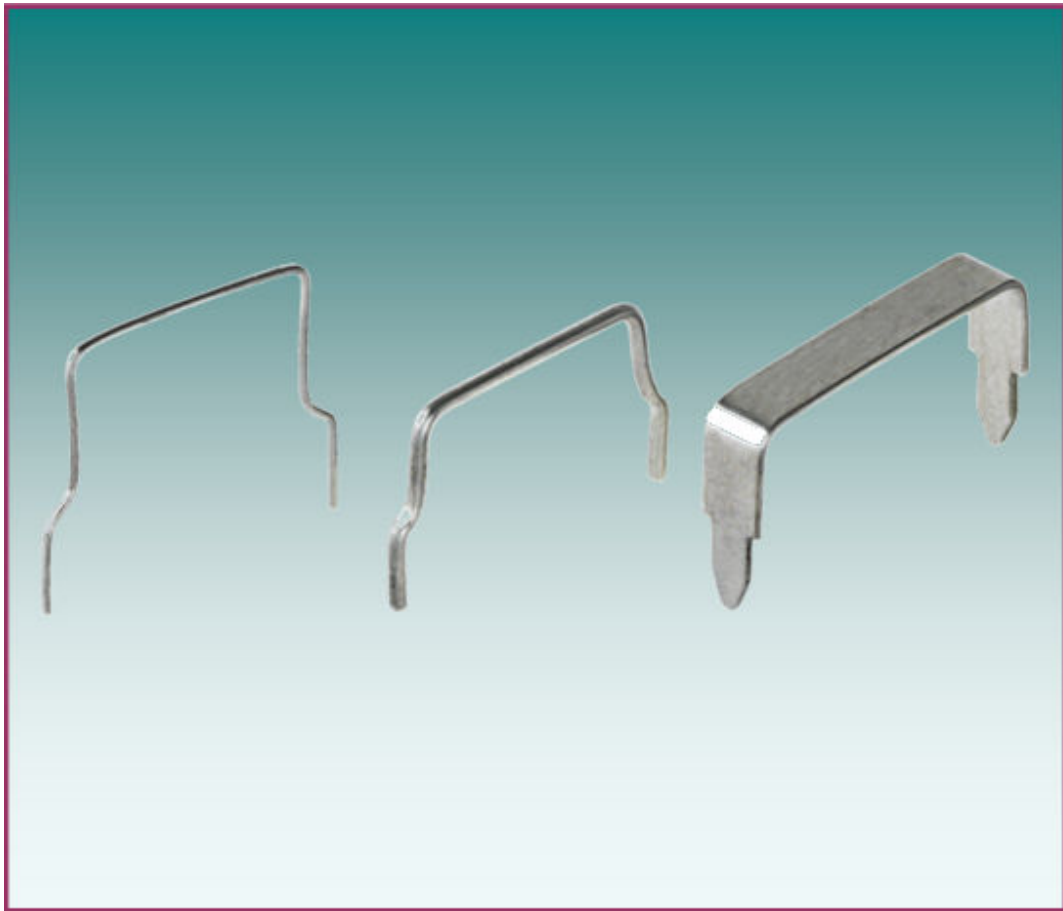


WLO MODULOHM

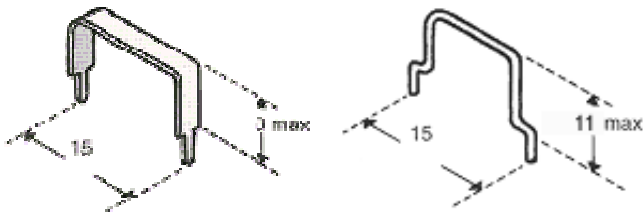
METAL ELEMENT LOW OHM RESISTORS Series MI-A-1



The MODULOHM MI-A-1 metal low ohm resistors series are produced from a suitable alloy in form of a non-insulated band or wire. They require a minimum of space and of a minimum weight and have low induction. They can be used in commercial as well as in industrial equipment.

Applications:

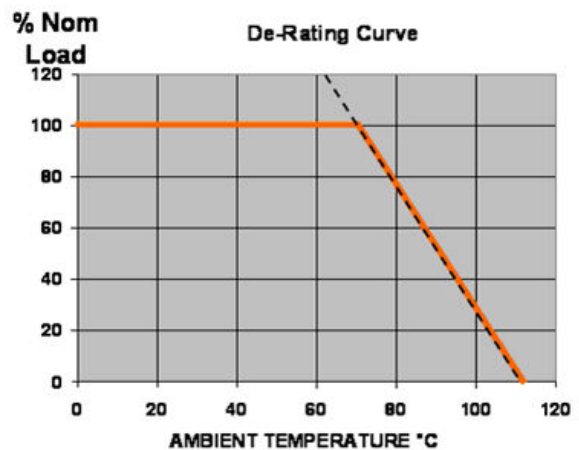
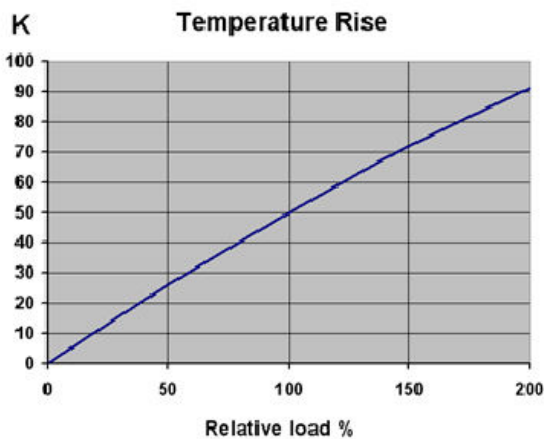
In switching and linear power supplies, instruments, regulators and other modern current sensing circuits. The dissipation of the resistors allow measuring 100 mV over the resistor making the series cover the area from 0,63 A to 15 A. The MODULOHM resistors are produced in EU making it possible to offer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

Mechanical dimensions:

R005-R01
R015-R16
Electrical Specifications:

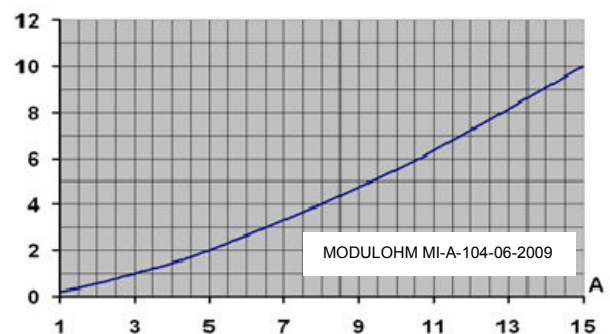
Tolerance*:	±5%
Range:	R005-R16
Temperature coefficient:	+40 - -80
EMF:	-42 $\mu\text{V}^\circ\text{C}^{-1}$

*When soldering in a plated through hole circuit board $\pm 5\%$ tolerance can be achieved.

Type	Resistance	Max Load (W) 25°	Max Load (W) 70°	I (A/100mV)	Max Impuls (J)	P.C.B. Hole Diameter (mm)
MI-A-1	R005	2,4	1,6	20	30	2
	R0054	2,4	1,6	18,5	30	2
	R0068	2,2	1,5	15	28	2
	R01	2,0	1,1	10	21	2
	R015	1,5	0,7	6,7	14	1,3
	R022	1,2	0,6	4,5	8,4	1
	R033	1,2	0,6	3	7,3	1
	R047	1,2	0,6	2,1	5,7	0,8
	R068	1,0	0,6	1,5	3,9	0,8
	R1	1,0	0,6	1	2,4	0,8
	R13	1,0	0,6	0,77	2,3	0,8
	R14	1,0	0,6	0,71	2,2	0,8
	R15	1,0	0,6	0,67	2,1	0,8
	R16	1,0	0,6	0,63	2,0	0,8


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 MI-A-1 type, and the ohm value, please specify the resistor as follows. () only part in ID if option is chosen.

M MI-A-1 R015 (XXX)

XXX > 400: Customer specified type (): Standard type
 Ohm Value (Examples: 0R22 = 0,22 Ω , R022=22m Ω)
 Type MI-A-1
 Modulohm Type