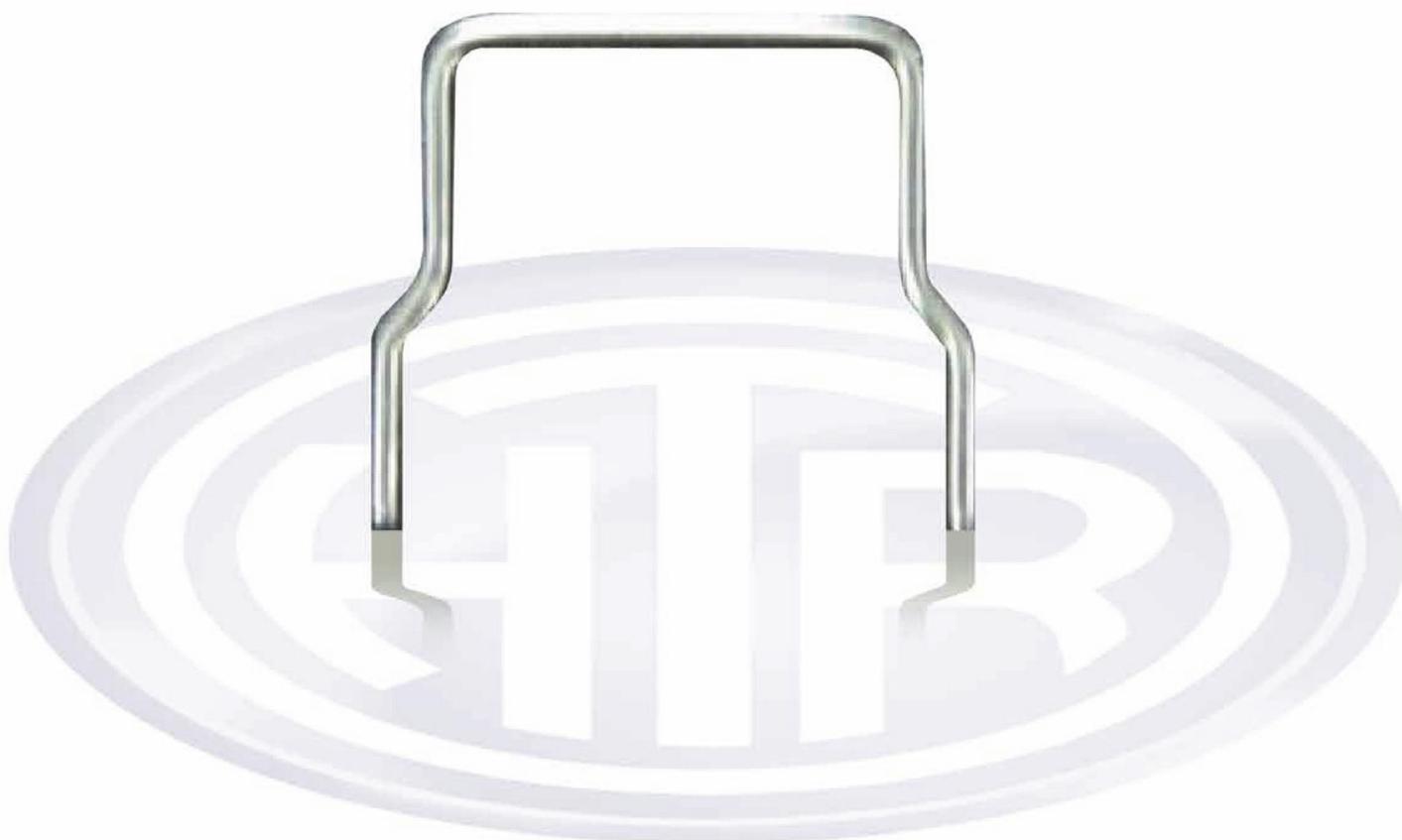




**LOW OHM POWER RESISTORS
OPEN FRAME WIRE TYPE**

**OW
SERIES**

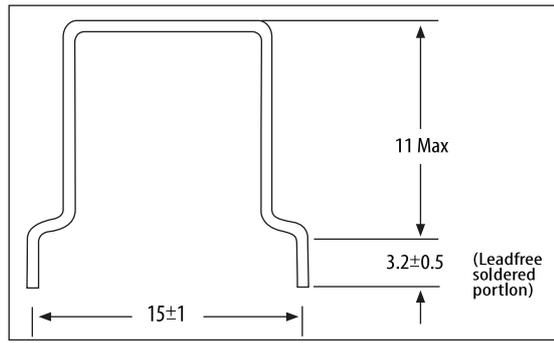
- Power Rating at - 25° C. - Upto 1.5 W
- Power Rating at - 70° C. - Upto 0.7 W
 - R015 to R16
- Customer Specified versions are possible on request





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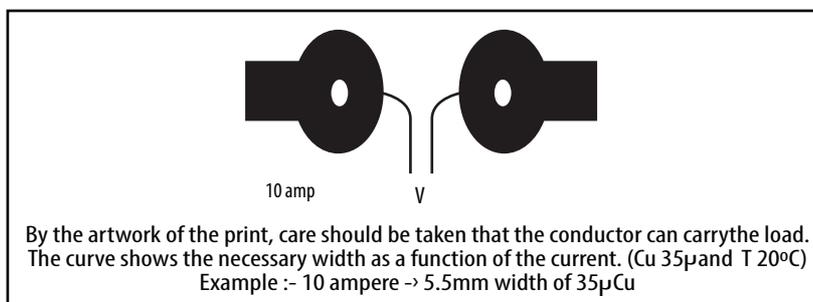
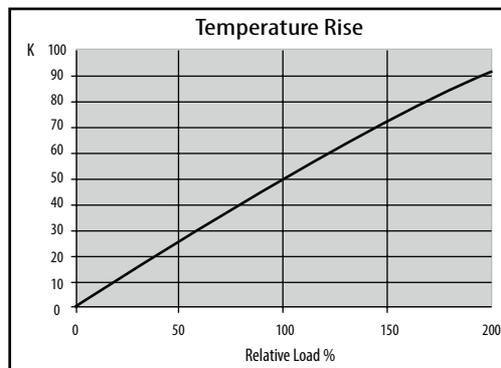
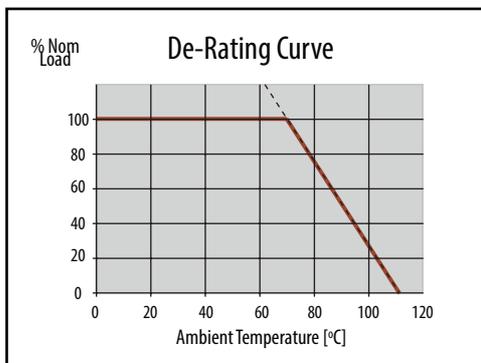
PHYSICAL CONFIGURATION



(All dimensions in MM)

DIMENSIONAL TABLE

HTR TYPE	POWER RATING AT 25°C	POWER RATING AT 70°C	Current 'I' drawn in Amp when 100mV voltage is applied	Maximum Energy (J)	P.C.B. HOLE DIAMETER (mm)	RESISTANCE VALUE (Ohms)	WEIGHT PER PC (gms)
OW1.5	1.5W	0.7W	6.67	14	1.3	R015	0.27
OW1.2	1.2W	0.6W	4.54	8.4	1.0	R022	0.19
OW1.2	1.2W	0.6W	3.03	7.3	1.0	R033	0.195
OW1.2	1.2W	0.6W	2.13	5.7	0.80	R047	0.136
OW1	1.0W	0.6W	1.47	3.9	0.80	R068	0.09
OW1	1.0W	0.6W	1.0	2.4	0.80	R10	0.065
OW1	1.0W	0.6W	0.77	2.3	0.80	R13	0.044
OW1	1.0W	0.6W	0.71	2.2	0.80	R14	0.045
OW1	1.0W	0.6W	0.67	2.1	0.80	R15	0.045
OW1	1.0W	0.6W	0.63	2.0	0.80	R16	0.04



APPLICATIONS :

- In switching and linear power supplies, instruments, regulators.
- In modern current sensing circuits.



LOW OHM
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ELECTRICAL AND ENVIRONMENTAL CHARACTERISTICS

PARAMETER / PERFORMANCE TEST & TEST METHOD	PERFORMANCE REQUIREMENTS
Power Rating	Full power dissipation at 70° C & linearly derated to zero at 110° C.
Insulation	Not insulated
Resistance Tolerance Available (Can be achieved when soldering in a plated through hole circuit board)	± 10% (K); ± 5% (J)
Temperature Range	- 55° C to +110° C with suitable derating as per derating curve above
Voltage Rating / Limiting Voltage / Max. Working Voltage	$\sqrt{P \times R}$
Short Time Overload (5 x Rated power for 5 secs)	$\Delta R \pm (0.75\% + R0005)$ - Average $\Delta R \pm (1.25\% + R0005)$ - For resistance values near maximum range
Temperature Co-efficient of Resistance (Measured from -55° C to + 125° C referenced to +30° C)	± 400 ppm/° C & Below- (Depend on Resistance wire used)
Operating Temperature	-65° C to 110° C (Suitably derated)

PACKAGING

1000 Resistors shall be packed in small box "I Type" of approximate size 70mm x 70mm x 70mm & such 8 Boxes of "I Type" will be packed in Master Carton of approx size 310mm x 205mm x 95mm

Storage Condition (Packed) :

Temp 25°C to 35°C, Humidity 30 to 80% RH, Shelf life- 6 months

Floor Life (Unpacked) :

Temp 25°C to 35°C, Humidity 30 to 80% RH, Floor life-15 days

Resistance Material Data :

CuNi23Mn, CuNi44

ORDERING INFORMATION

SERIES	TYPE	PACKING	RESISTANCE VALUE	TOLERANCE
OW	OW1.2 / OW1.2*	Bulk - OW1.2 / OW1.2*	R033	J

For RoHs version - OW1.2*