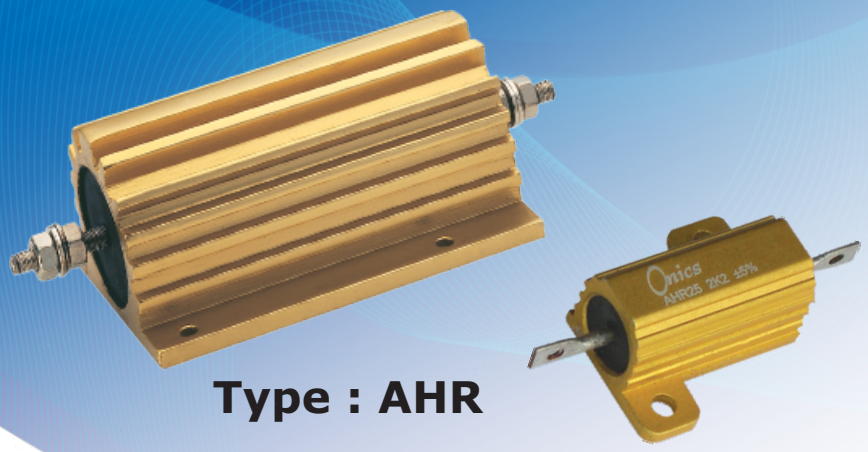
Onics® Power Resistors

ALUMINIUM HOUSED CHASSIS MOUNTED WIRE WOUND RESISTORS



Type : AHR

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CONSTRUCTION

Aluminium housed Resistor are wound with Nickel Copper or Nickel Chromium wire for obtaining required resistance on a ceramic core fitted with end caps. The winded assembly is then encapsulated in a anodised Heat sink using high temperature moulding compound.

FEATURES

Low Cost, Light weight & Compact.
Non-inductive Type available.
Custom Values available.

APPLICATION

These Resistors are applied where high wattage dissipation is required in a small space. The metal heat sink ensures good heat dispersal & allows a low hot-spot temperature. Major application include Induction furnace, Medical equipments, Humidity Chambers etc.

SPECIFICATION

Power Rating	-	5 Watts to 250 Watts
Terminations	-	Lugs for 5 - 50W , Screws for 100 - 250W
Temp Coeff	-	± 50 PPM to 200 PPM
Tolerance	-	± 10%, Closer tolerances available.
Dielectric Voltage	-	1000 VAC for 5W & 10W, 1500 VAC for 25 W & 200W 2000 VAC for 250 W
Overload	-	5 x wattage rating for 5 sec.
Insulation Resistance	-	> 20 M Ohms
Operating temp.	-	-55°C to 250°C
Deratings	-	Deratings required for reduced chassis mounted area and for high ambient temperatures. Derate to zero Power Linearly at 250°C ambient. Derating necessary for unmounted resistors at ambient

RoHS COMPLIANT

CE

ENAPROS
CB-231A, Ring Road, Naraina, New Delhi-110028 (INDIA)
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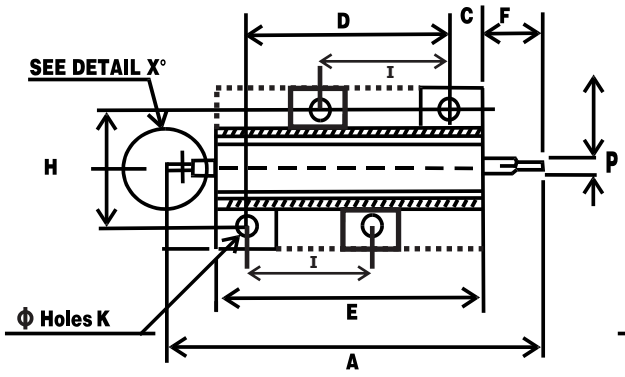
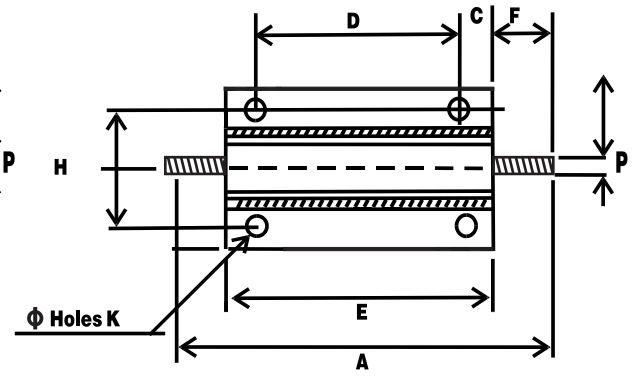
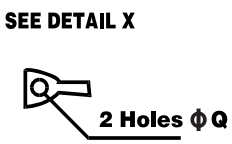
DETAILED TECHNICAL DATA SHEET
ALUMINIUM HOUSED CHASSIS MOUNTED WIRE WOUND RESISTORS

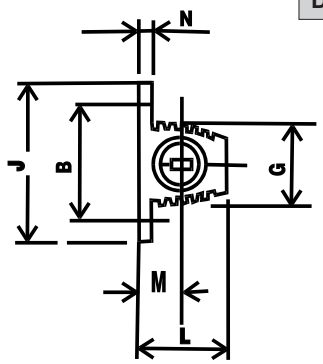


Drawing for 5, 10, 25, 50 & 250W



Drawing for 100, 150/200W





DIMENSIONS & RANGE

Dimensions in M.M.																	Dimensions M.M. for Aluminium Heatsink			Resistance Range
Watts	A ± 1.0	B ± 0.25	C Max	D ± 0.25	E ± 1.60	F ± 1.00	G ± 1.00	H ± 0.80	I ± 0.25	J ± 0.80	K ± 0.13	L Max	M ± 1.60	N ± 0.50	P Min	Q ± 0.13	R	S	T	
5	28.6	12.5	2.00	11.3	15.3	6.80	8.50	12.5	-	16.4	2.40	8.20	3.40	1.70	1.60	1.30	100	100	2.0	0.1Ω-500Ω
10	34.9	15.9	2.40	14.3	19.1	7.90	10.7	15.9	-	20.4	2.40	9.90	4.20	1.90	2.00	2.00	100	100	2.0	0.1Ω-1K
25	50.0	20.0	4.40	18.3	27.0	11.2	14.0	20.0	-	27.5	3.18	14.0	5.90	1.90	2.00	2.00	150	150	1.5	0.1Ω-5K
50	71.0	21.4	5.00	39.8	50.0	11.2	16.0	21.4	-	29.0	3.18	15.5	7.90	2.25	2.00	2.00	150	150	3.0	0.1Ω-10K
100	95.0	37.0	15.0	35.0	65.0	15.0	26.0	37.0	-	47.0	5.00	26.0	11.0	3.50	4.00	-	150	200	3.0	0.1Ω-20K
150/200	139	57.0	9.50	70.0	89.0	25.0	46.0	57.0	-	73.0	5.00	45.0	20.0	5.00	5.00	-	150	300	3.0	0.1Ω-35K
250/300	178	63.5	8.00	98.4	115	32.0	54.0	63.5	76.0	76.0	5.00	56.0	25.0	5.00	6.00	-	300	300	3.0	0.1Ω-50K

R =Length, **S**=Width, **T**=Thickness
Values & wattages lower & higher than specified available.
Non - inductive type available.

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