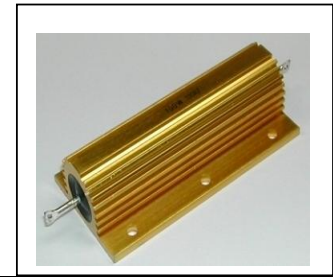


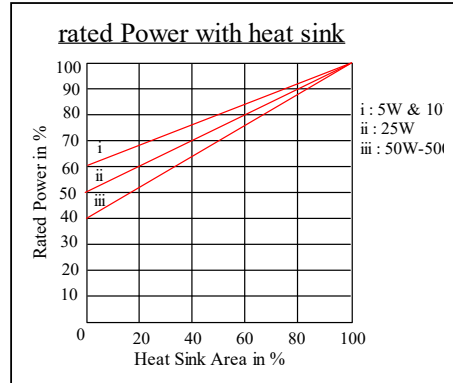
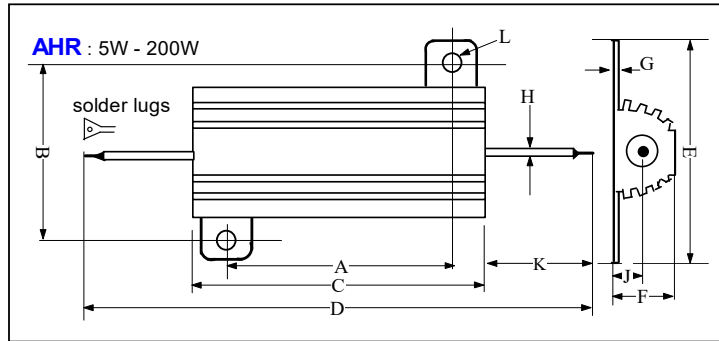
AHR type :

- Aluminium housed Resistors are wound with Nickel Copper or Nickel Chromium wire on ceramic core fitted with end caps.
- The wound assembly is then encapsulated in a anodized Heat sink using high temperature moulding compound.
- Low Inductance type is available
- Resistance range : 0.01 ohm – 100k ohm
- It is low cost, light weight and compact

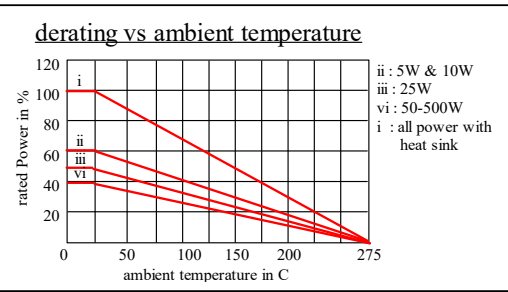
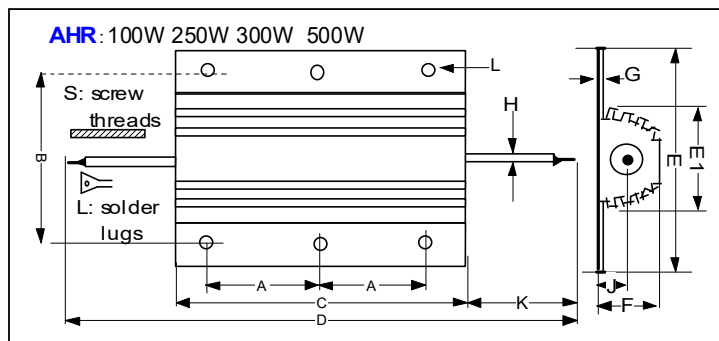


Electrical Specifications :

| | |
|-------------------------|--|
| Rated Power | 5Watts to 500Watts |
| Terminals | Soldering Lugs : 5 – 50W; Screw Threads : 75 – 500W |
| Temperature Coefficient | +/-20ppm/C, +/-50ppm/C, +/-100ppm/C, +/-200ppm/C, +/-250ppm/C, |
| Tolerance | +/-0.1%, +/-0.5%, +/-1%, +/-5%, +/-10%, -0/+5%, -0/+10% |
| Dielectric Voltage | 1000Vac : 5 – 25W, 1500Vac : 50 – 500W |
| Operating Temperature | -55 to 250C |
| Overload – short time | 5 time of rated power in 5 seconds |
| Derating | Deratings is needed to reduce chassis mounted area and for high ambient temperatures. Derate to zero Power Linearly at 250C ambient. Derating necessary for unmounted resistors at ambient temperatures of 25C, 5W & 10W - 40%, 25W-50% 50W & above 60%. |



| Rated Power | Dimensions in mm | | | | | | | | | | | | Weight gram |
|-------------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|--------|----------|----|-------------|
| | A +/-0.2 | B +/-0.2 | C +/-0.2 | D +/-0.4 | E +/-0.5 | F +/-0.4 | G +/-0.2 | H +/-0.1 | J +/-0.5 | K +/-2 | L +/-0.2 | | |
| 5W | 11.2 | 12.5 | 15.2 | 28.5 | 16.5 | 8.0 | 1.7 | 1.2 | 3.8 | 7.0 | 2.2 | 3 | |
| 10W | 14.3 | 15.8 | 19.5 | 35.0 | 20.3 | 10.0 | 1.9 | 2.0 | 4.2 | 8.0 | 2.2 | 11 | |
| 25W | 18.3 | 19.8 | 27.5 | 49.0 | 27.4 | 14.0 | 2.2 | 2.0 | 6.0 | 11.0 | 3.2 | 18 | |
| 50W | 40.0 | 21.5 | 50.0 | 72.0 | 29.2 | 15.5 | 2.2 | 2.0 | 6.6 | 13.0 | 3.2 | 30 | |



| Rated Power | Dimensions in mm | | | | | | | | | | | | Weight gram |
|-------------|------------------|----------|--------|----------|--------|-----------|----------|----------|----------|----------|--------|----------|-------------|
| | A +/-0.5 | B +/-0.5 | C +/-1 | D +/-0.4 | E +/-1 | E1 +/-0.5 | F +/-0.5 | G +/-0.2 | H +/-0.2 | J +/-0.3 | K +/-2 | L +/-0.3 | |
| 75W | 23.5 | 38.0 | 65.5 | 105 | 48 | 27 | 26 | 3.3 | 2.8 | 11.5 | 20 | 4.2 | 90 |
| 100W | 35.5 | 38.0 | 98.0 | 138 | 48 | 27 | 26 | 3.3 | 2.8 | 11.5 | 20 | 4.2 | 160 |
| 150W | 52.0 | 38.0 | 135.0 | 175 | 48 | 27 | 26 | 3.3 | 2.8 | 11.5 | 20 | 4.2 | 240 |
| 200W | 70.0 | 38.0 | 165.0 | 205 | 48 | 27 | 26 | 3.3 | 2.8 | 11.5 | 20 | 4.2 | 420 |
| 250W | 45.5 | 58.0 | 112.0 | 152 | 73 | 46.5 | 45 | 5.0 | 6.0 | 21.0 | 20 | 5.3 | 480 |
| 300W | 51.5 | 58.0 | 130.0 | 170 | 73 | 46.5 | 45 | 5.0 | 6.0 | 21.0 | 20 | 5.3 | 580 |
| 500W | 87.0 | 58.0 | 204.0 | 244 | 73 | 46.5 | 45 | 5.0 | 6.0 | 21.0 | 20 | 5.3 | 970 |

Part Number :

Series + Rated Power + Resistance Value (ohm) + Resistance Tolerance + Terminals + Drawing Number

AHR 5 - 50W 0.1 ohm = R1 F = +/-1% G= +/-2% S : screw threads
 75 - 500W 1 ohm = 1R J = +/-5% K= +/-10% L : solder lugs
 15 ohm = 15R R= -0/+5% T= -0/+10% W : electrical wires