Aluminium housed wire-wound resistors series HSW
Data sheet

ARCOL

RoHS Compliant

Manufactured in line with the requirements of MIL 18546 and IEC 115, designed for direct heatsink mounting with thermal compound to achieve maximum performance.

- High Power to volume
- Wound to maximise High Pulse Capability
- Values from R1 to 30K
- Custom designs welcome
- RoHS Compliant

Characteristics

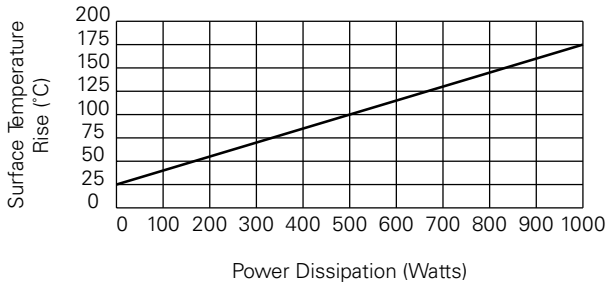
Tolerence (Code):	Standard ±5% (J). Please contact Arcol for lower requirements
Tolerance for low Ω values:	≤ 1R 100ppm, 1-50R 50ppm, ≥ 50R 25ppm
Temperature coefficients:	R1 - 30K
Insulation resistance (dry):	10,000 MΩ minimum
Power derating:	At high ambient temperatures dissipation derates linearly to zero at 200°C
Low inductive (NHS):	Specify by adding N before HSW code, e.g. NHSW600
NHS ohmic value:	Max value for NHSW600 is 10K ohms

Electrical Specifications

Power rating on standard heat-sink @ 25C	Resistance range ohms	Limiting element voltage DC/AC rms	Voltage proof AC peak	Stability ▲R % per 1000hrs	Approx weight gms	Typical surface temp. rise °C/W std. heat sink mounted	Standard heatsink (aluminium) RTH
600 watts	R1 - 30K	2200	3000	3%	625	0.19 °C/W	0.04 °C/W

Power Rating

600 watts mounted on 3750cm² x 3mm aluminium plate with 25°C water flowing at a rate of 2 litres per minute.

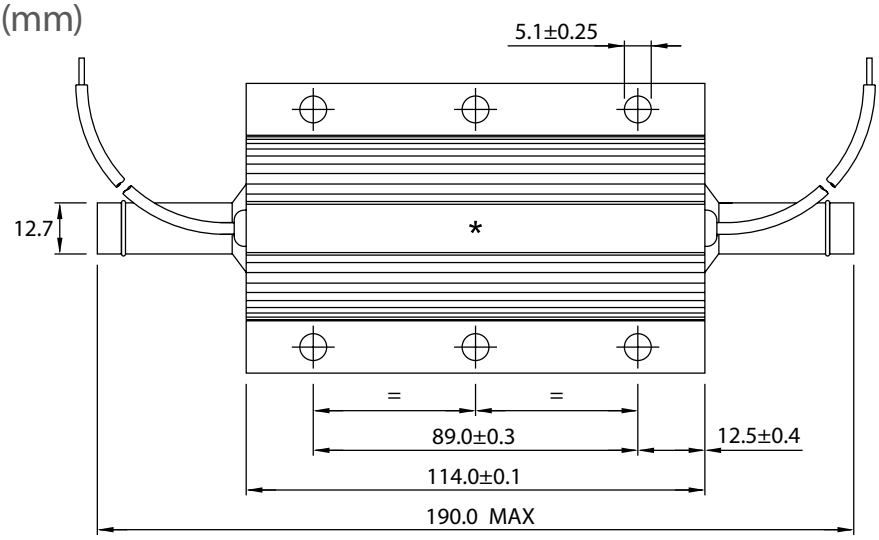


Ordering Procedure

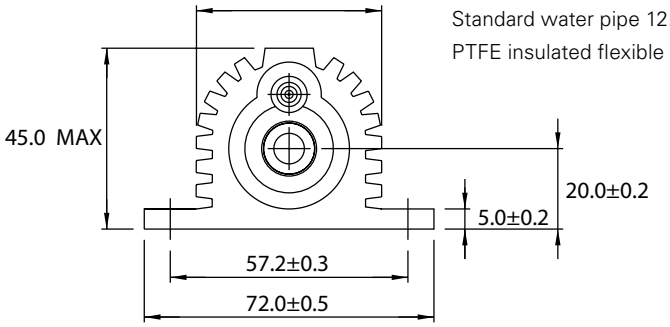
Standard Resistor To specify standard: Series, Watts, Ohmic Value, Tolerance Code, e.g.: HSW600 10R J

Non Inductive Resistor To specify add N, e.g.: NHSW600 2R2 J

Dimensions (mm)



* SURFACE TEMPERATURE MEASURING POINT



Standard water pipe 12.7 OD in beaded copper.
PTFE insulated flexible lead - 19/0.45.