

HSW

Aluminium Housed Resistors

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

FEATURES

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



CHARACTERISTICS

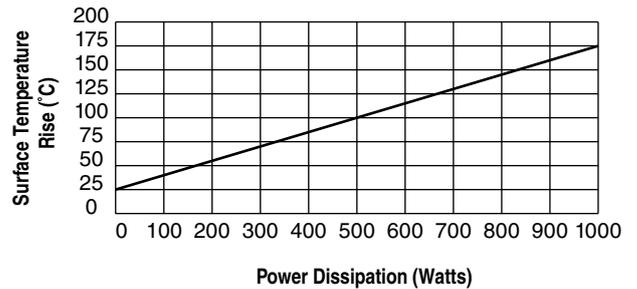
Tolerance (Code):	Standard $\pm 5\%$ (J). Please contact Arcol for lower requirements
Tolerance for low Ω values:	$\leq 1R$ 100ppm, 1-50R 50ppm, $\geq 50R$ 25ppm
Temperature coefficients:	R1 - 30K
Insulation resistance (dry):	10,000 M Ω minimum
Power derating:	At high ambient temperatures dissipation 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 heatsink @ 25C	600 watts
Resistance range ohms	R1 - 30K
Limiting element voltage DC/AC rms	2200
Voltage proof AC peak	3000
Stability ΔR % per 1000hrs	3%
Approx weight gms	625
Typical surface temp. rise °C/W std. heat sink mounted	0.19 °C/W
Standard heatsink (aluminium) RTH	0.04 °C/W

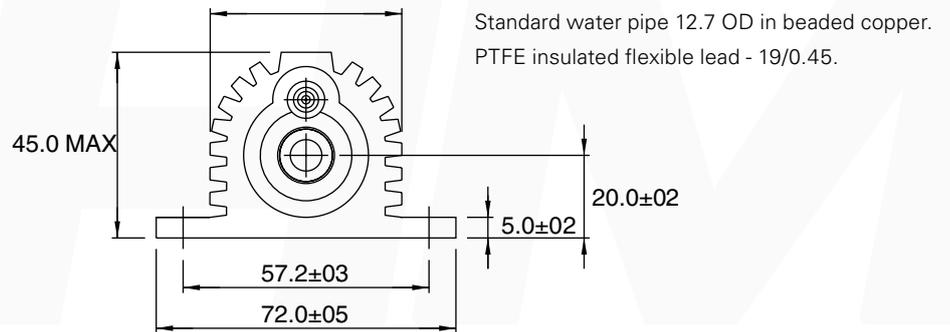
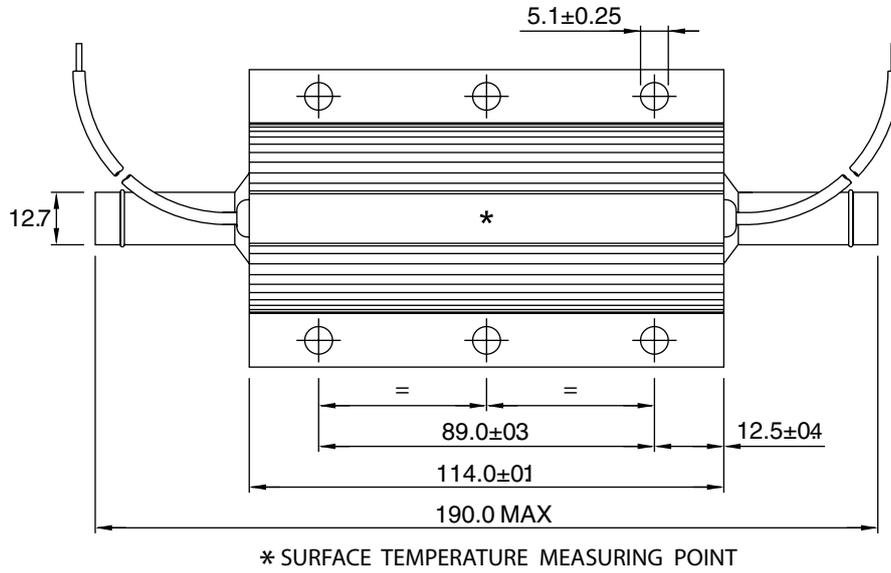
Power Rating

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



DIMENSIONS

(mm)



ORDER INFORMATION

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