

HS Aluminium Housed Resistors



An extension to our popular HS range of resistors. These resistors are suitable for power applications including braking resistors for frequency converters. Designed to be heatsink mounted to achieve full commercial wattage..



- Wound to maximise High Pulse Capability
- Values from 3R6 to 1K2
- RoHS Compliant

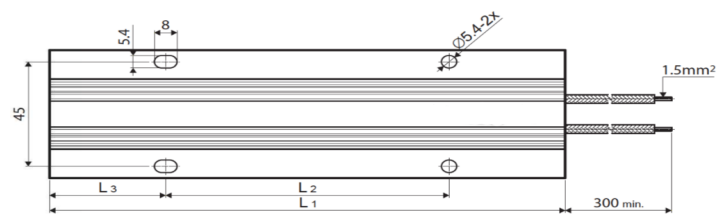
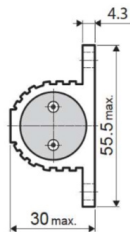
Characteristics

| | |
|------------------------------------|---|
| Tolerance (Code): | Standard $\pm 5\%$ (J), $\pm 10\%$ (K) & $\pm 20\%$ (M) |
| Typical TCR: | $\leq \pm 150 \text{ppm } ^\circ\text{C}$ |
| Insulation resistance at 500V | $\geq 10 \text{ G}\Omega$ minimum |
| Power dissipation: | At high ambient temperature dissipation derates linearly to zero at 250°C |
| Ohmic values: | From 3R6 to 1K2 depending on wattage size |
| Overload Capability(single Pulse): | 10 x Power, 5 seconds |
| Design Voltage: | $\sqrt{(P \times R)}$ |

Specifications & Dimensions

Box body

| SERIES | WITHOUT HEATSINK WATTS | | WITH HEATSINK WATTS | OHMS | MAX VOLTAGE | DIMENSIONS mm | | | WEIGHT |
|--------|---------------------------|--------------------|---------------------------|---------------------|----------------|---------------|-----|----|--------|
| | 30% DUTY CYCLE | 100% DUTY CYCLE | 100% DUTY CYCLE | RESISTANCE RANGE | | L1 | L2 | L3 | GRAMS |
| HS400 | 320 | 80 | 400 | 3R6 - 620r | 2000 v | 182 | 100 | 41 | 415 |
| HS500 | 400 | 100 | 500 | 5R1 - 910r | 2300 V | 242 | 160 | 41 | 530 |
| HS600 | 480 | 120 | 600 | 6R8 - 1K2 | 2800 V | 302 | 220 | 41 | 670 |



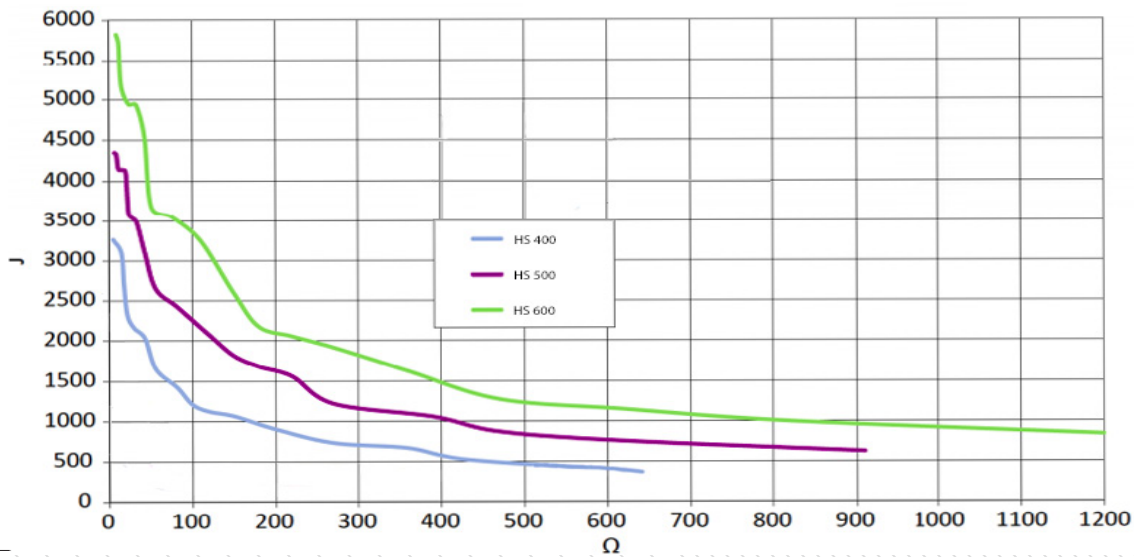
ARCOL UK Limited,
Threemilestone Ind. Estate,
Truro, Cornwall, TR4 9LG, UK.
T +44 (0) 1872 277431
F +44 (0) 1872 222002
E sales@arcolresistors.com

www.arcolresistors.com

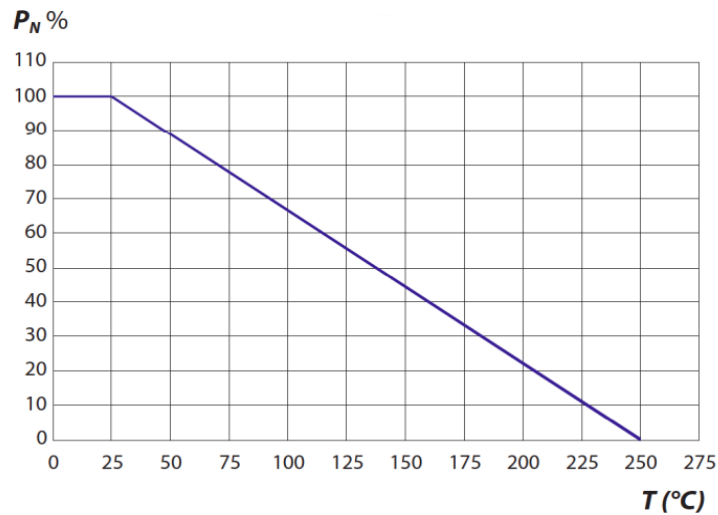
The information contained herein does not form part of a contract and is subject to change without notice. ARCOL operate a policy of continual product development, therefore, specifications may change.

It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask ARCOL.

Adiabatic Pulse x Ohmic Value



Derating Curve



Ordering Procedure

Standard Resistor: Series, Resistance Value, Tolerance

e.g: HS400 10R J

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Ohmite:

[HS400 100R J](#) [HS400 10R J](#) [HS400 250R J](#) [HS400 25R J](#) [HS400 500R J](#) [HS400 50R J](#) [HS600 500R J](#) [HS600 50R J](#) [HS600 75R J](#) [HS500 75R J](#) [HS500 50R J](#) [HS600 100R J](#) [HS600 10R J](#) [HS600 1K J](#) [HS600 250R J](#) [HS600 25R J](#) [HS400 75R J](#) [HS500 100R J](#) [HS500 10R J](#) [HS500 250R J](#) [HS500 25R J](#) [HS500 500R J](#)