

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

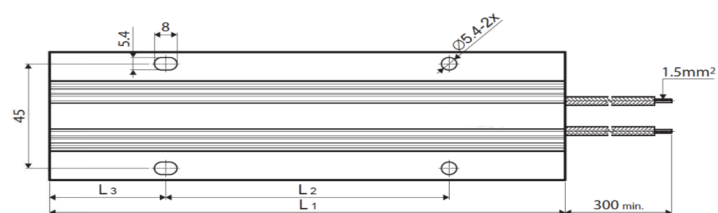
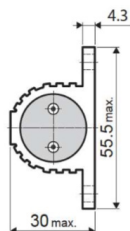
Characteristics

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



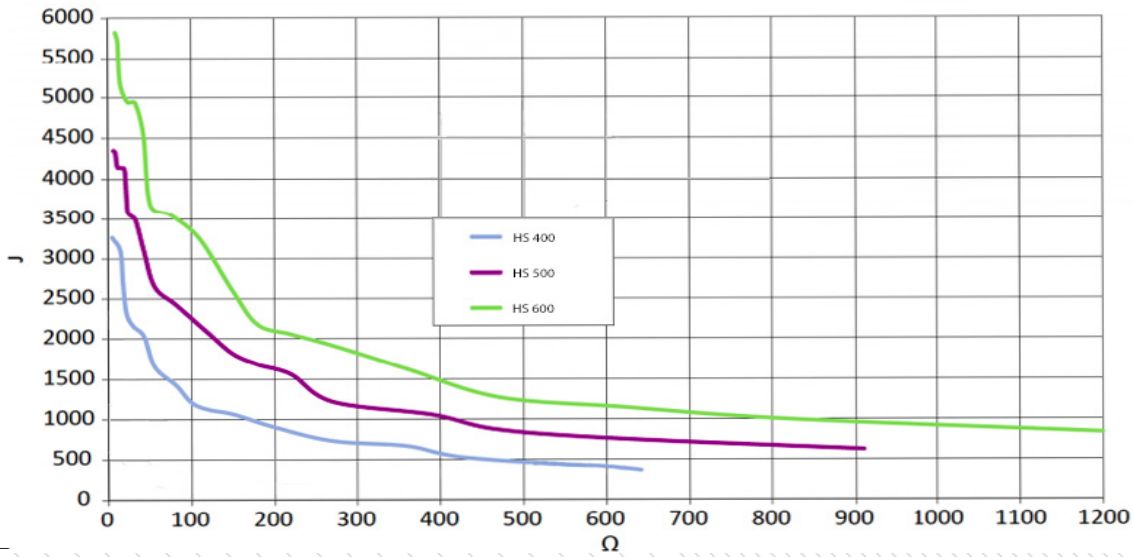
ARCOL UK Limited,
Threemilestone Ind. Estate,
Truro, Cornwall, TR4 9LG, UK.
T +44 (0) 1872 277431
F +44 (0) 1872 222002
E sales@arcolresistors.com

www.arcolresistors.com

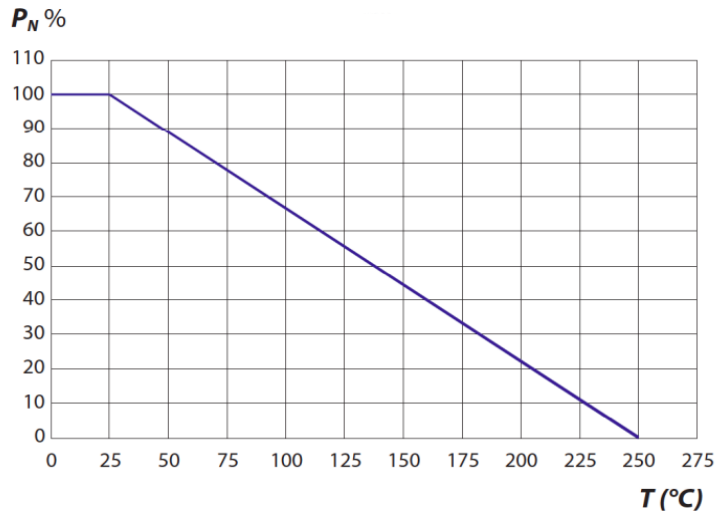
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It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask ARCOL.

Adiabatic Pulse x Ohmic Value



Derating Curve



Ordering Procedure

Standard Resistor: Series, Resistance Value, Tolerance

e.g: HS400 10R J

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