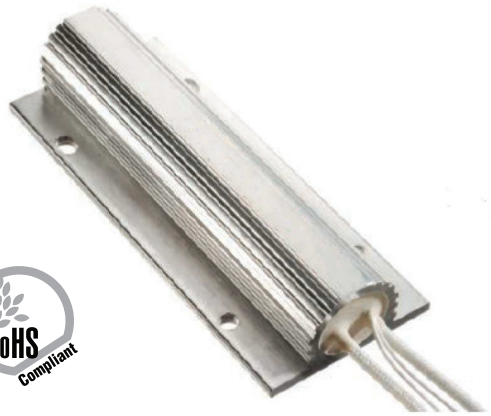
HS

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.



FEATURES

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

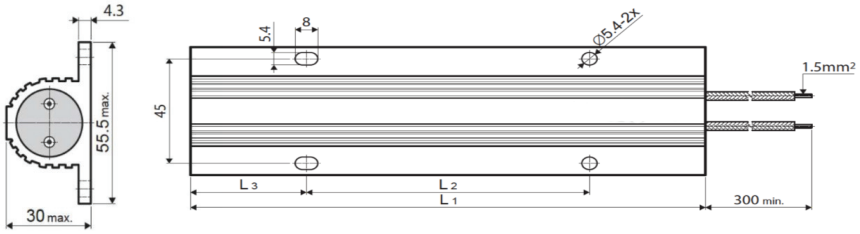
CHARACTERISTICS

Tolerance (Code):	Standard ±5% (J),±10% (K) & ±20%(M)
Typical TCR:	≤ ±150ppm °C
Insulation resistance at 500V	≥ 10 GΩ 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:	√(PxR)

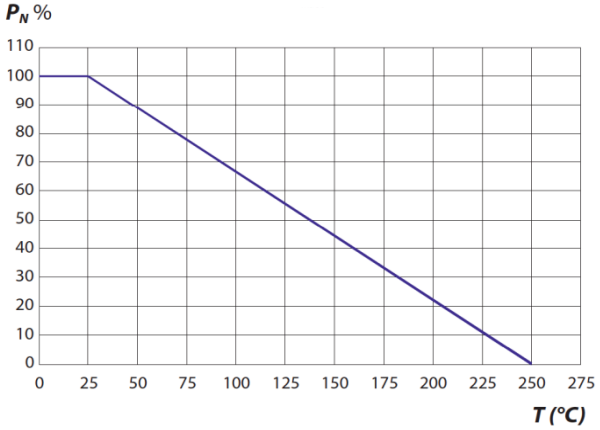
SPECIFICATION & DIMENSIONS

Box body

	WITHOUT HEATSINK WATTS		WITH HEATSINK WATTS	OHMS		DIMENSIONS mm			WEIGHT
SERIES	30% DUTY CYCLE	100% DUTY CYCLE	100% DUTY CYCLE	RESISTANCE RANGE	MAX VOLTAGE	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



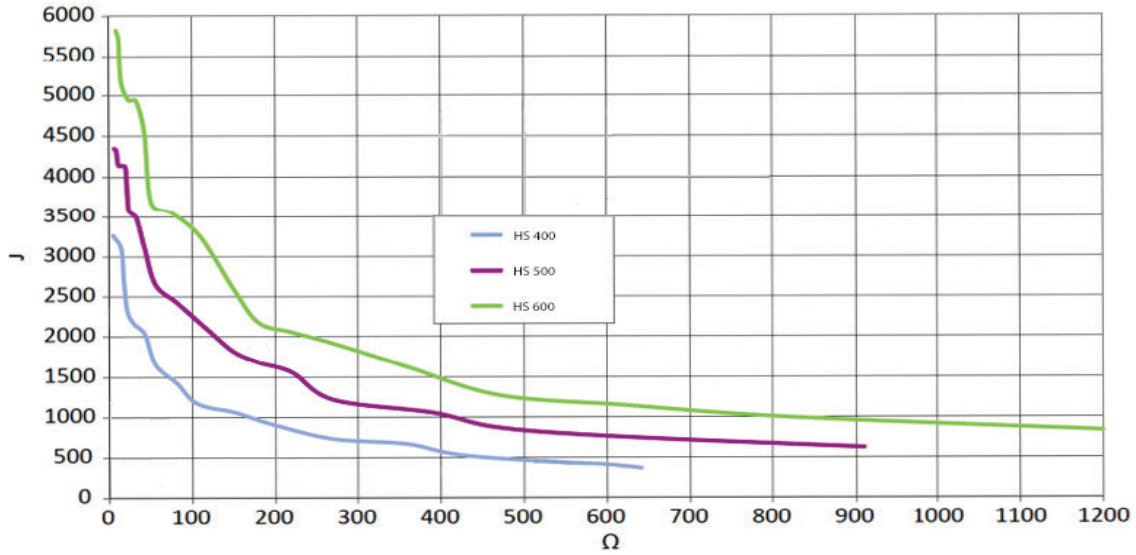
Derating Curve



HS

Aluminium Housed Resistors

ADIABATIC PULSE X OHMITE VALUE



ORDERING INFORMATION

H S 4 0 0 1 0 R J

- **H S 4 0 0** — Series
- **1 0 R** — Resistance Value
- **J** — Tolerance

Standard Stocked Values

HS400	HS500	HS600
HS400 10R J	HS500 10R J	HS600 10R J
HS400 25R J	HS500 25R J	HS600 25R J
HS400 50R J	HS500 50R J	HS600 50R J
HS400 75R J	HS500 75R J	HS600 75R J
HS400 100R J	HS500 100R J	HS600 100R J
HS400 250R J	HS500 250R J	HS600 250R J
HS400 500R J	HS500 500R J	HS600 500R J
		HS600 1K J