HSE3 & E6 Aluminium Housed

ARCOL manufactured Aluminium Housed Resistors are now available with threaded terminals and supplied with fixing kit as standard. M3 terminal avaliable on the 25 & 50 Watt resistors & M6 terminal on the 75 to 150 range.

- High Power to volume
- Wound to maximise High Pulse Capability
- Values from R005 to 100K
- Custom designs welcome
- RoHS Compliant

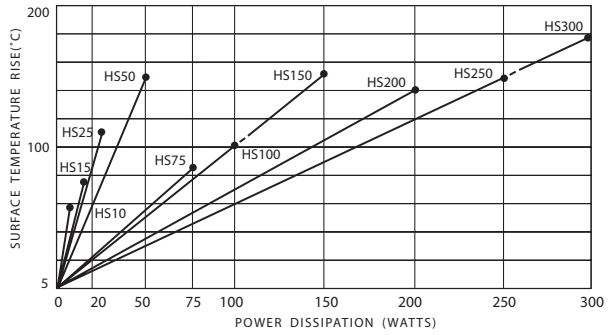


Characteristics

Tolerance (Code):	Standard ±5% (J) and ±10% (K). Also available ±1% (F), ±2% (G) and ±3% (H)
Tolerance for low Ω values:	Typically ≥ R05 ±5% ≤ R047 ±10%
Temperature coefficients:	Typical values < 1K 100ppm Std. > 1K 25ppm Std. For lower TCR's please contact Arcol
Insulation resistance (Dry):	10,000 MΩ minimum
Power dissipation:	At high ambient temperature dissipation derates linearly to zero at 200°C
Ohmic values:	From R005 to 100K depending on wattage size
Low inductive (NHS):	Specify by adding N before HS Series code, e.g. NHS50
NHS ohmic value:	Divide standard HS maximum value by 4
NHS working volts:	Divide standard HS maximum working voltage by 1.414

Temp. Rise & Power Dissipation

Surface temperature of resistor related to power dissipation. The resistor is standard heatsink mounted using a proprietary heatsink compound.



Heat Dissipation

Heat dissipation: Whilst the use of proprietary heat sinks with lower thermal resistances is acceptable, uprating is not recommended. For maximum heat transfer it is recommended that a heat sink compound be applied between the resistor base and heat sink chassis mounting surface. It is essential that the maximum hot spot temperature of 200°C is not exceeded, therefore, the resistor must be mounted on a heat sink of correct thermal resistance for the power being dissipated.

Ordering Procedure

Standard Resistor. To specify standard: Series, Watts, Ohmic Value, Tolerance Code, e.g.: HS25 E3 2R2 J
Non Inductive Resistor. To specify add N, e.g.: NHS50E3 10R J

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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.

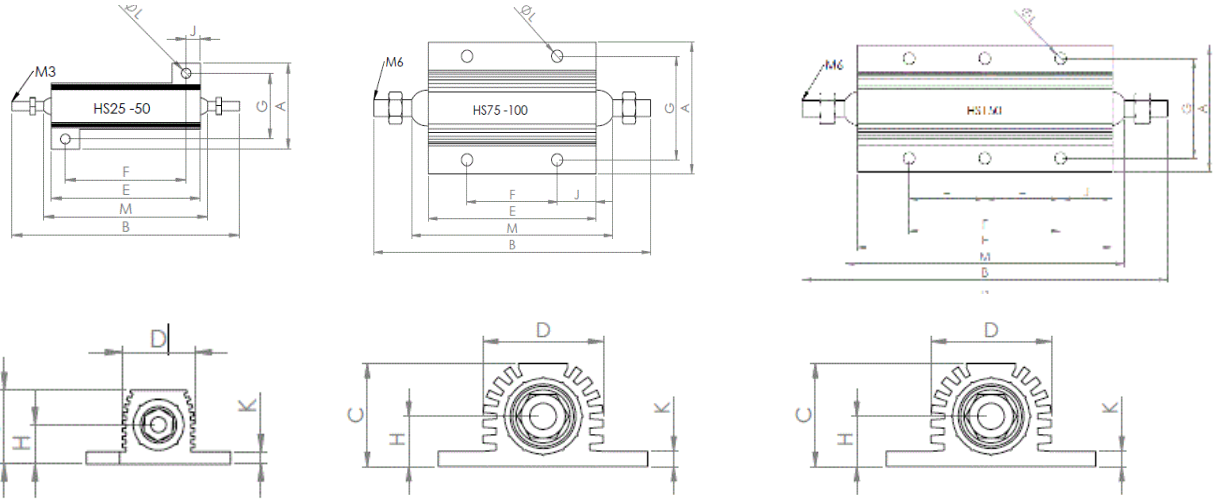
It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask ARCOL.

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Electrical Specifications

Size	Terminal Style	Power rating on std. heatsink @25°C	Watts with no heatsink @25°C	Resis-tance range	Limiting element voltage	Voltage proof AC Peak	Voltage proof AC rms.	Approx weight gms	Typical surface rise HS mounted	Standard heatsink	
										cm^2	Thickness mm
HS25E3	M3	25	9	R005-36K	550	3500	2500	14	4.2	535	1
HS50E3	M3	50	14	R01-86K	1250	3500	2500	32	3.0	535	1
HS75E6	M6	75	24	R01-50K	1400	6363	4500	85	1.1	995	3
HS100E6	M6	100	30	R01-70K	1900	6363	4500	115	1.0	995	3
HS150E6	M6	150	45	R01-100K	2500	6363	4500	175	1.0	995	3

HS25E3,HS50E3-HS75E6,HS100E6 & HS150E6 Resistors



Dimensions (mm)

Size	A Max	B Max	C Max	D Max	E Max	F±0.3	G±0.3	H Max	J Max	K Max	L ±0.25*	M Max
HS25E3	29.7	55.0	14.6	14.0	27.3	18.3	21.4	8.5	5.2	2.6	3.2	35.0
HS50E3	29.7	77.0	14.8	14.2	49.1	39.7	21.4	8.5	5.2	2.6	3.2	55.0
HS75E6	47.5	94.5	24.1	27.3	48.7	29.0	37.0	11.8	10.4	3.7	4.4	64.0
HS100E6	47.5	111.0	24.1	27.3	65.2	35.0	37.0	11.8	15.4	3.7	4.4	80.0
HS150E6	47.5	143.0	24.1	27.3	97.7	58.0	37.0	11.8	20.4	3.7	4.4	110.0