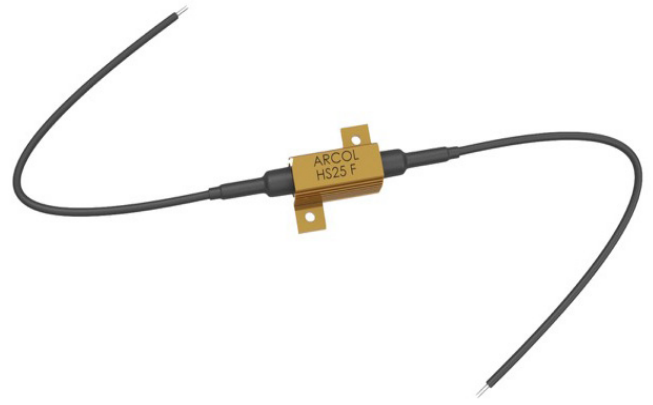


# HSF Cable Leaded Aluminium Housed Resistors



Leaded version of ARCOL's aluminium housed resistor, comes with factory fitted cable terminations for ease of assembly into your application.

- High Power to volume
- Wound to maximise High Pulse Capability
- 200 mm flying lead terminations
- Radox 1800V Traction Cable
- Values from R005 to 70K



## Characteristics

Tolerance (Code):	Standard $\pm 1\%$ (F). Also available $\pm 5\%$ (J)
Tolerance for low $\Omega$ values:	Typically $\geq R05 \pm 5\% \leq R047 \pm 10\%$
Temperature coefficients:	Typical values $< 1K$ 100ppm Std. $> 1K$ 25ppm Std. For lower TCR's please contact Arcol
Insulation resistance (Dry):	10,000 M $\Omega$ minimum
Power dissipation:	At high ambient temperature dissipation derates linearly to zero at 200°C
Ohmic values:	From R005 to 70K depending on wattage size
Cable Nominal Value:	1800 V AC

## Electrical Specifications

Size	Power rating on std. heatsink @25°C	Watts with no heatsink @25°C	Resistance range	Limiting element voltage	Voltage proof AC Peak	Voltage proof AC rms.	Approx weight gms	Typical surface rise HS mounted	Standard heatsink	
									cm <sup>2</sup>	Thickness mm
HS25F (M404)	25	9	R005-36K	550	3500	2500	14	4.2	535	1
HS50F (M404)	50	14	R01-86K	1250	3500	2500	32	3.0	535	1
HS100F (M372)	100	30	R01-70K	1800	6363	4500	115	1.0	995	3

## Ordering Procedure

Standard Resistor. To specify standard: Series, Watts, Ohmic Value, Tolerance Code, Drawing Number

e.g.: HS25F 10R F M404, HS50F 10R F M404, HS100F 10R F M372

Non Inductive Resistor. To specify add N, e.g.:

NHS25F 10R J M404, NHS50F 10R J M404, NHS100F 10R J M372

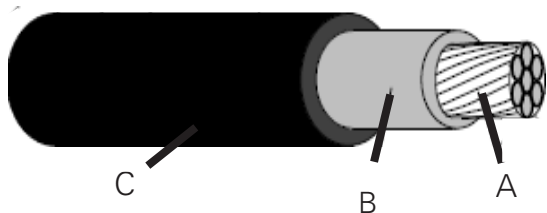
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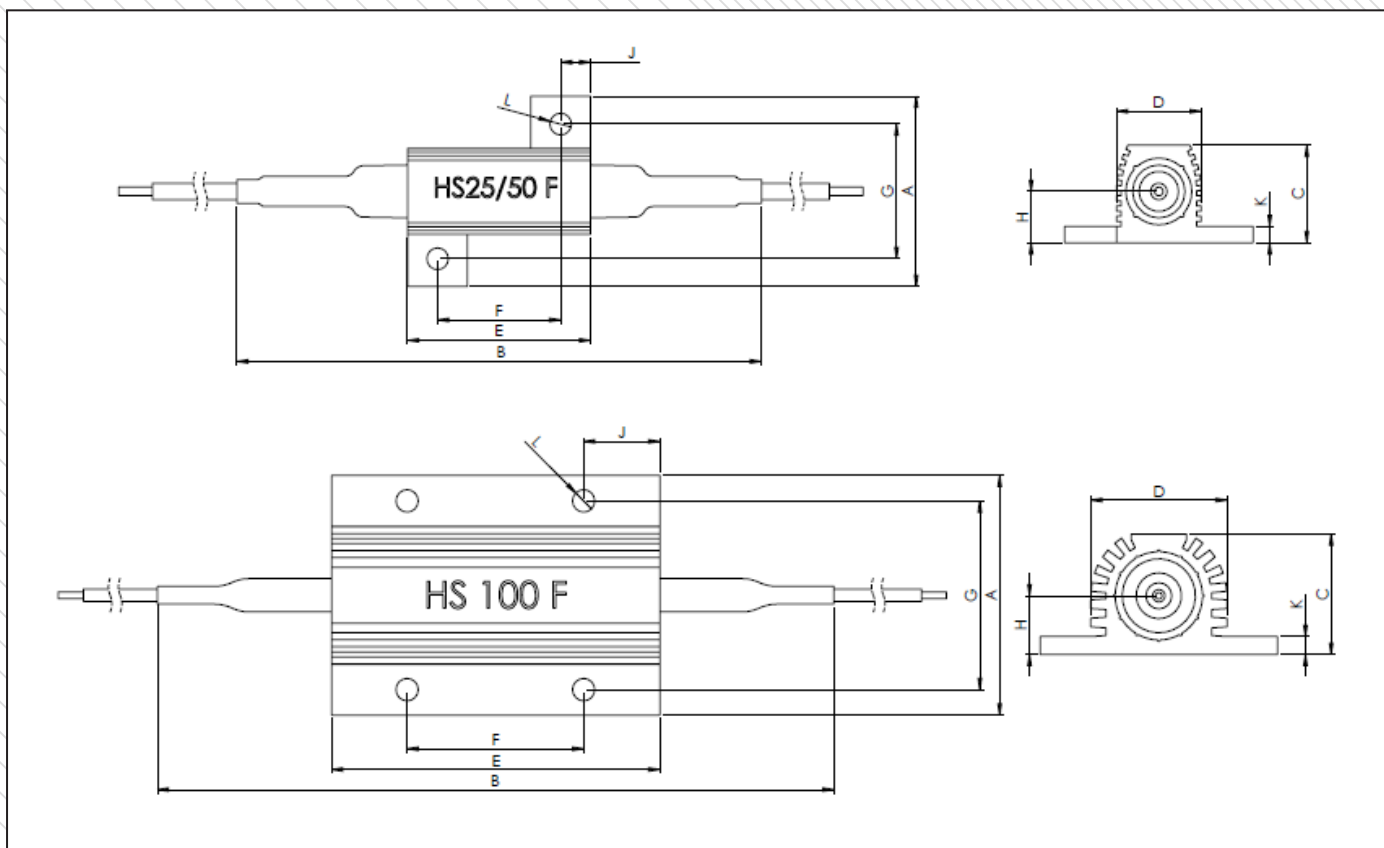
The information contained herein does not form part of a contract and is subject to change without notice. ARCOL operate a policy of continual product development, therefore, specifications may change.

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.

# HSF Cable leaded Aluminium Housed Resistors



- 3.2mm Radox traction cable 1.5 mm<sup>2</sup>
- A. Conductor: Stranded tin plated copper
- B. Inner layer insulation: RADOX EI 110
- C. Outer layer insulation: RADOX EI 109



## 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*
HS25F	28.0	82.0	14.8	14.2	27.3	18.3	19.8	7.7	5.2	2.6	3.2
HS50F	28.0	104.0	14.8	14.2	49.1	39.7	21.4	8.4	5.2	2.6	3.2
HS100F	47.5	140.0	24.1	27.3	65.2	35.0	37.0	11.8	15.4	3.7	4.4

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