

ARF Low Profile Wirewound Metal Clad Resistors



Flexible design with high pulse capability, ideally suited to braking and inverter / converter applications. Enhanced power levels can be achieved when heatsink mounted.

- High power density
- Low profile
- 600V cables as standard
- Heatsink mount for increased power dissipation
- RoHS Compliant



Characteristics

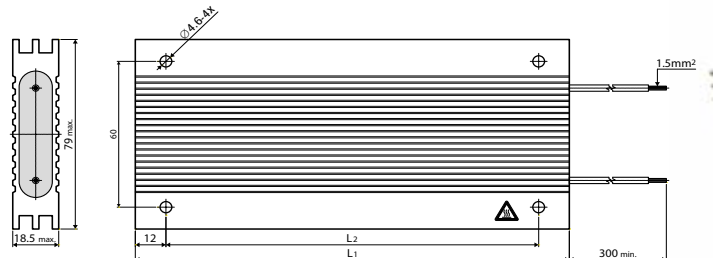
| | |
|------------------------------|---------------------|
| Tolerance (Code): | ± 5% (J) |
| Maximum surface temperature: | +250°C |
| Temperature coefficient: | ≤ ± 150ppm/°C |
| Operating Voltage: | $\sqrt{P \times R}$ |
| Pulse overload: | 10 x P, 5 sec |
| Insulation resistance: | at 500V ≥ 10GΩ |
| Insulation testing voltage: | 4000V ≈ |

Electrical Specifications

| Type | Wattage (P) (without heatsink) | Wattage (with heatsink) | Max. voltage | Ohmic Value Range |
|--------|-----------------------------------|----------------------------|--------------|-------------------|
| ARF150 | 75 | 150 | 1000 | 2R2 - 220R |
| ARF200 | 100 | 200 | 1000 | 3R6 - 390R |
| ARF300 | 150 | 300 | 1500 | 5R6 - 560R |
| ARF400 | 200 | 400 | 1500 | 7R5 - 820R |
| ARF500 | 250 | 500 | 2000 | 10R - 1K |
| ARF600 | 300 | 600 | 2000 | 11R - 1K1 |

Dimensions (mm)

| Type | L1 | L2 |
|--------|-----|-----|
| ARF150 | 80 | 56 |
| ARF200 | 110 | 86 |
| ARF300 | 163 | 139 |
| ARF400 | 216 | 192 |
| ARF500 | 270 | 246 |
| ARF600 | 300 | 276 |



Ordering Procedure

Standard Resistor: Series, Resistance Value, Tolerance code (J ±5%) e.g. ARF150 5R6 J

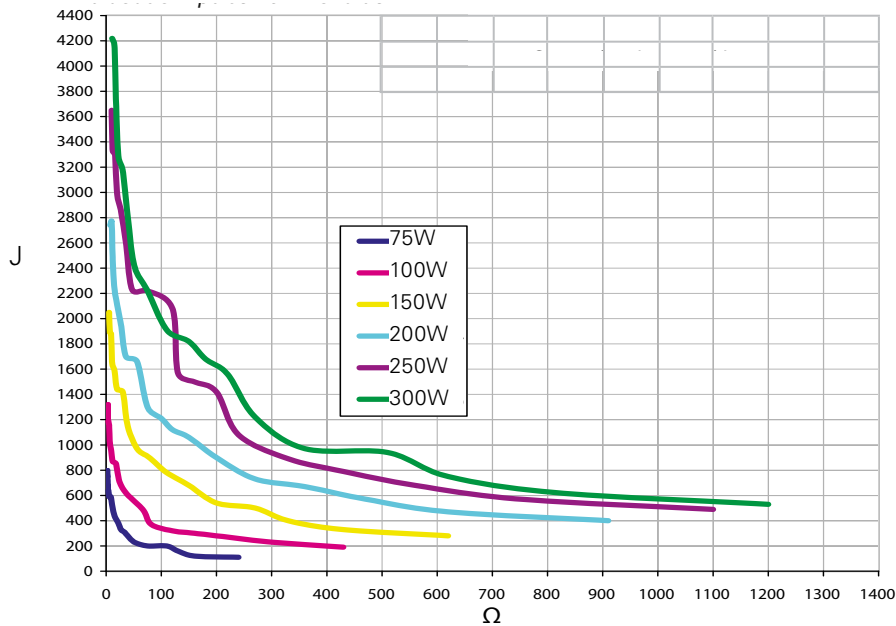
ARCOL UK Limited,
Threemilestone Ind. Estate,
Truro, Cornwall, TR4 9LG, UK.
T +44 (0) 1872 277431
F +44 (0) 1872 222002
E sales@arcolresistors.com

www.arcolresistors.com

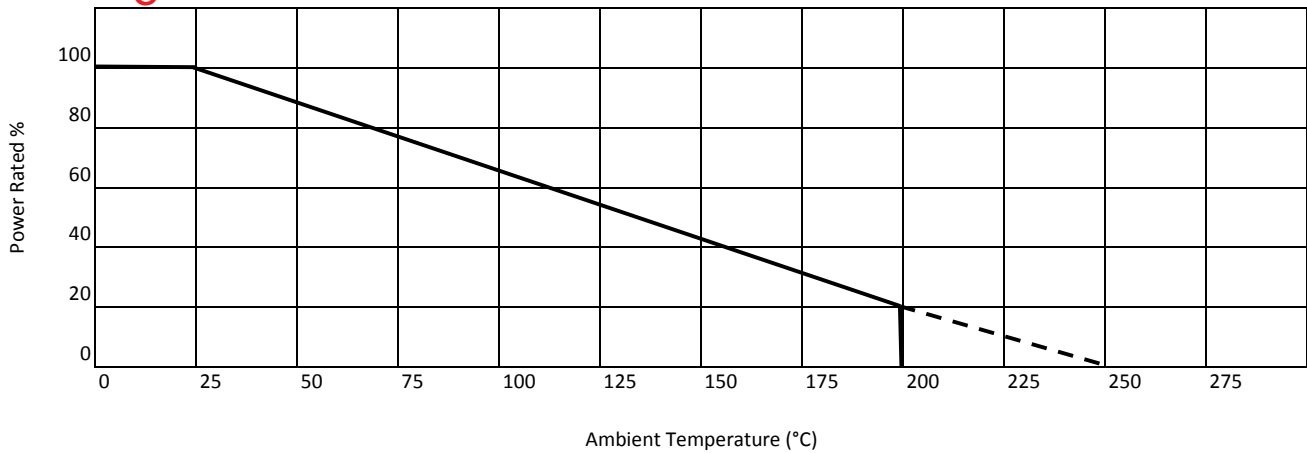
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It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.

Adiabatic impulse x ohmic value



Derating Curve



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 Truro, Cornwall, TR4 9LG, UK.
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 F +44 (0) 1872 222002
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