

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

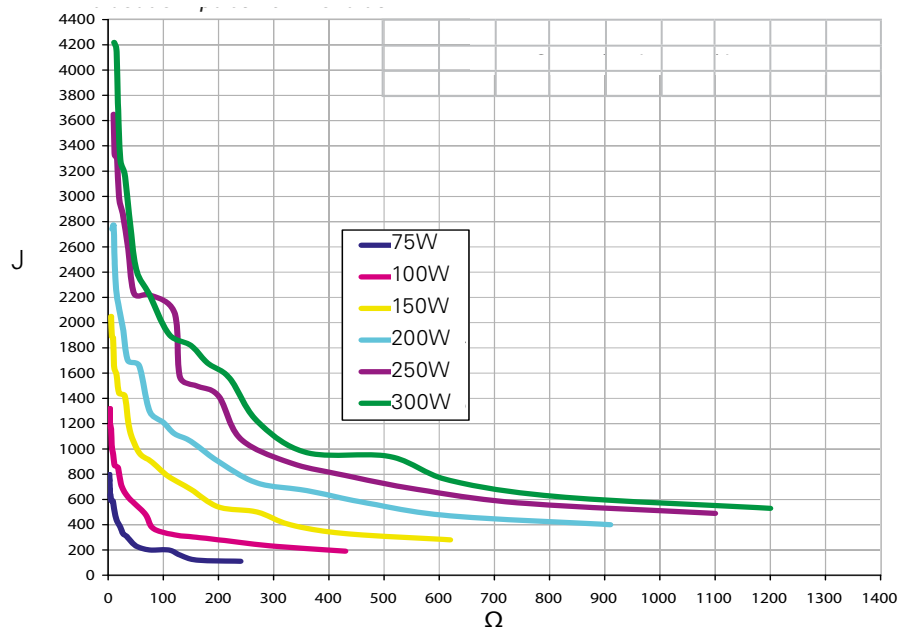
ARCOL UK Limited,
Threemilestone Ind. Estate,
Truro, Cornwall, TR4 9LG, UK.
T +44 (0) 1872 277431
F +44 (0) 1872 222002
E sales@arcolresistors.com

www.arcolresistors.com

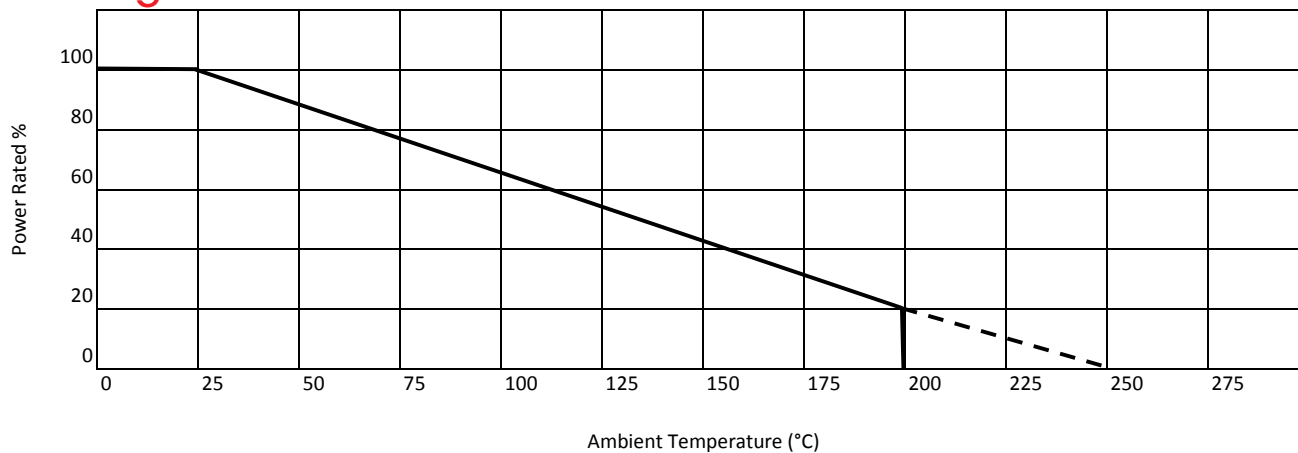
The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development, therefore, specifications may change.

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.

Adiabatic impulse x ohmic value



Derating Curve



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

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.