

# 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

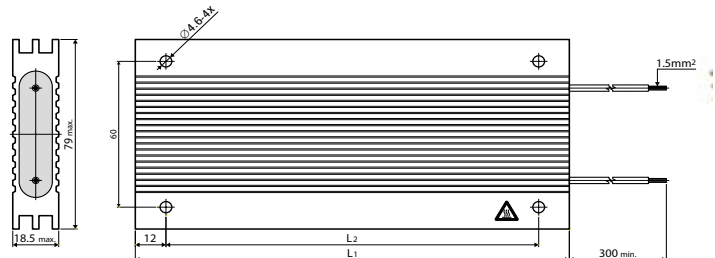
Tolerance (Code):	± 5% (J)
Maximum surface temperature:	+250°C
Temperature coefficient:	≤ ± 150ppm/°C
Operating Voltage:	$\sqrt{(P \times R)}$
Pulse overload:	10 x P, 5 sec
Insulation resistance:	at 500V ≥ 10GΩ
Insulation testing voltage:	4000V ≈

## 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

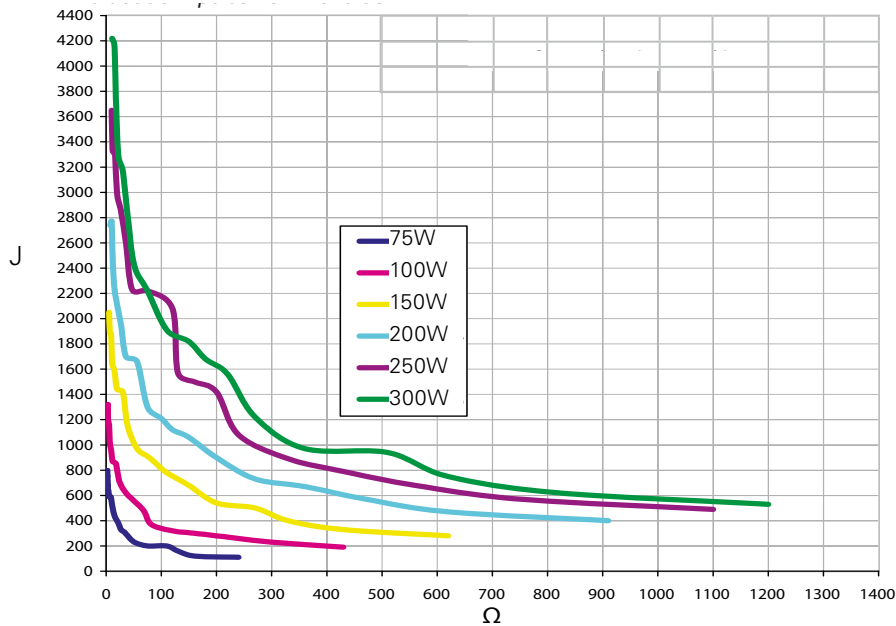
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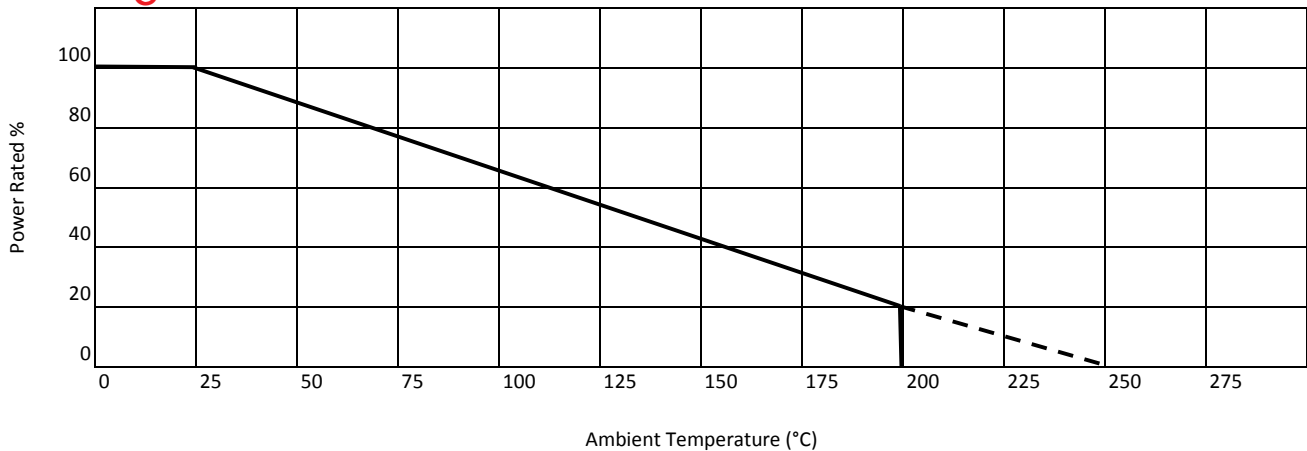
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It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.

## Adiabatic impulse x ohmic value



## Derating Curve



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# Mouser Electronics

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## Ohmite:

[ARF500 32R5 J](#) [ARF3005R6](#) [ARF4007r5](#) [ARF300 6R J](#) [ARF400 75R J](#) [ARF600 20R J](#) [ARF150 3R J](#) [ARF200 4R](#)  
[J](#) [ARF200 5R J](#) [ARF300 25R J](#) [ARF400 10R J](#) [ARF400 47R J](#) [ARF400 8R J](#) [ARF500 12R J](#) [ARF500 16R J](#)  
[ARF500 68R J](#) [ARF200 10R J](#)