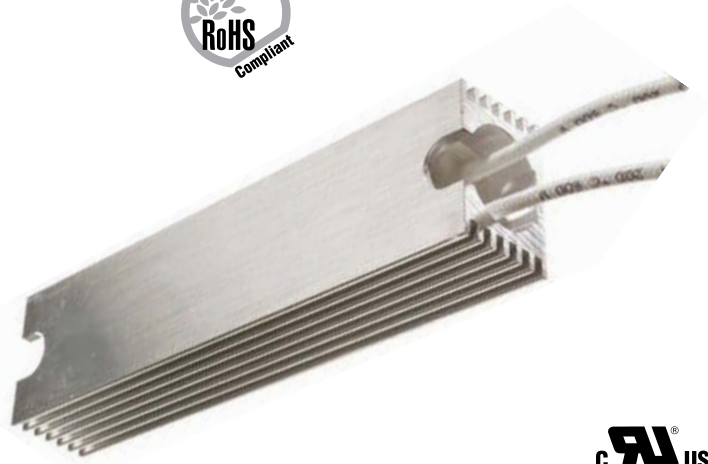


ARG Series

Wirewound power resistors in Al case



The Ohmite ARG series features wired connection points with insulated connectors. The finned extrusion profile allows for more thermal efficiencies and can also be heatsinked for more power dissipation. The ARG series resistors are suitable for power electronic circuits (eg. motor control, braking, frequency converters).



SPECIFICATIONS

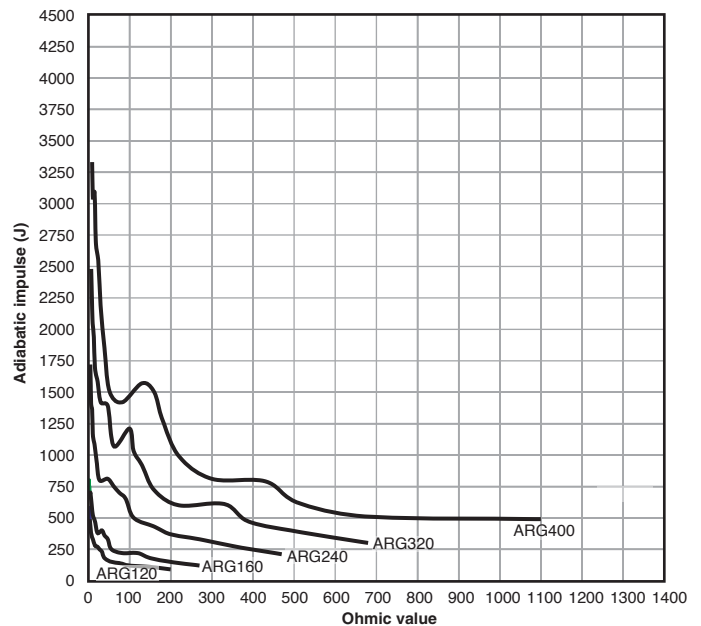
| Series | Nominal load at 25°C | | | Resistance | Max. Overload Voltage |
|--------|-----------------------|------------------------|----------------|------------|-----------------------|
| | P _{NED=30%*} | P _{NED=100%*} | P _N | | |
| ARG120 | 120 | 45 | 150W | 1R6 ~ 180R | 1,000VAC |
| ARG160 | 160 | 60 | 200W | 2R2 ~ 240R | 1,000VAC |
| ARG240 | 240 | 70 | 300W | 4R7 ~ 430R | 1,500VAC |
| ARG320 | 320 | 80 | 400W | 6R8 ~ 620R | 2,000VAC |
| ARG400 | 400 | 100 | 500W | 9R1 ~ 910R | 2,300VAC |

*ED – load factor = percentual ratio of switch-on-time against cycle period - typical 120 s

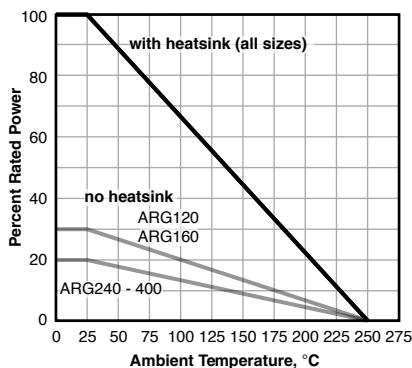
CHARACTERISTICS

| | |
|---------------------------------|--|
| Maximal surface temperature | 250°C |
| Tolerances | ±5% |
| TCR | (10 ⁻⁶ /K) ≤ ±150ppm |
| Maximum operating voltage (VAC) | √(P×R) |
| Stability | ±5% at +25°C and P _{NED} =100%, 1,000 hours |
| Pulse overload | 10 x P _{NED} =100%, 5 sec |
| Isolation resistance | ≥10GΩ at 500VAC |
| Isolation test voltage | 4000VAC |
| Climatic category | 50 / 200 / 56 |
| Specification | TSB-356, TPTE57-155/98, ČSN 60115-1/QC400 000 |

Adiabatic impulse



Derating

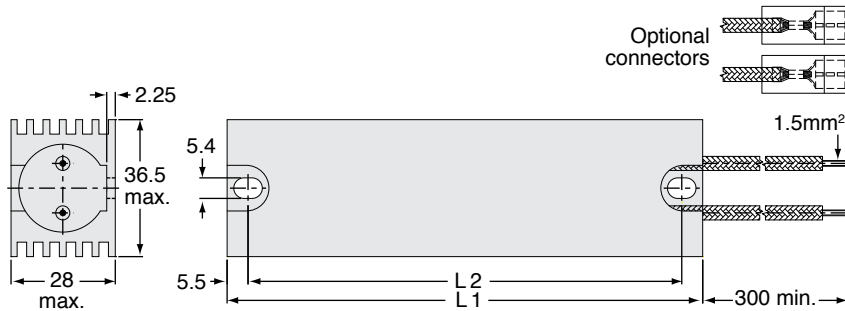


(continued)

ARG Series

Wirewound power resistors in Al case

DIMENSIONS



| Series | L1 (mm) | L2 (mm) | Weight (g) |
|--------|---------|---------|------------|
| ARG120 | 90 | 79 | 180 |
| ARG160 | 105 | 94 | 208 |
| ARG240 | 155 | 144 | 310 |
| ARG320 | 200 | 189 | 400 |
| ARG400 | 260 | 249 | 515 |

ORDERING INFORMATION

Wire connections

ARGT160C 25R J

Series Thermal cut-off blank = no cut-off Size (mm) Resistance Tolerance J = 5%

Standard part numbers

| | |
|---------------|---------------|
| ARG120C 2R J | ARG240C 16R J |
| ARG120C 5R J | ARG240C 22R J |
| ARG120C 10R J | ARG320C 8R J |
| ARG120C 15R J | ARG320C 10R J |
| ARG120C 25R J | ARG320C 12R J |
| ARG160C 4R J | ARG320C 18R J |
| ARG160C 6R J | ARG320C 24R J |
| ARG160C 8R J | ARG400C 10R J |
| ARG160C 12R J | ARG400C 15R J |
| ARG160C 20R J | ARG400C 20R J |
| ARG240C 5R J | ARG400C 25R J |
| ARG240C 7R5 J | ARG400C 50R J |
| ARG240C 10R J | |