



BA Series

Aluminum Cased Resistor

Our Aluminum housed brake resistors are designed for high power and provide great stability. These resistors are constructed using wirewound on ceramic cores and isolated using a mica sheet for high dielectric properties. The aluminum house is filled with a high thermal conductivity material to ensure quick heat dissipation during continuous applications. With the ability to have a thermal cut off switch embedded inside the aluminum housing, makes the BA series ideal for any safety application.

FEATURES

- Three extrusion forms available
- Heatsinkable
- Rugged design
- Up to 1000 watts
- Thermal cut-off available
- Scalable, custom lengths available
- Custom leads available

APPLICATIONS

- Dynamic Braking
- Motor Starting
- Power Control



SERIES SPECIFICATIONS

| Series | Wattage* | Resistance range | Tolerance | Length |
|--------|----------|------------------|-----------|--------|
| BA1160 | 500 | 0.5Ω - 18KΩ | ±10% | 160mm |
| BA2320 | 700 | 1Ω - 10KΩ | ±10% | 320mm |
| BA3266 | 1000 | 1Ω - 10KΩ | ±10% | 266mm |

*Free air rating

CHARACTERISTICS

| | |
|--|--------------------------------------|
| Overload | 10 times rated wattage for 5 sec. |
| Power Rating | Free air; greater with heatsink |
| Dielectric Withstanding Voltage | 2.5KV, 1 min., 50/60 Hz |
| Insulation Resistance | ≥100MΩ |
| Working Voltage | 1000V not to exceed max power rating |
| Max. Surface Temp. | 385°C |
| Wire | UL listed 1199 PTFE 12 AWG |

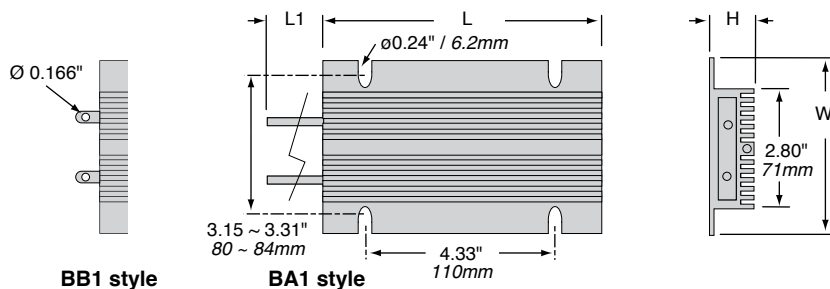
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BA Series

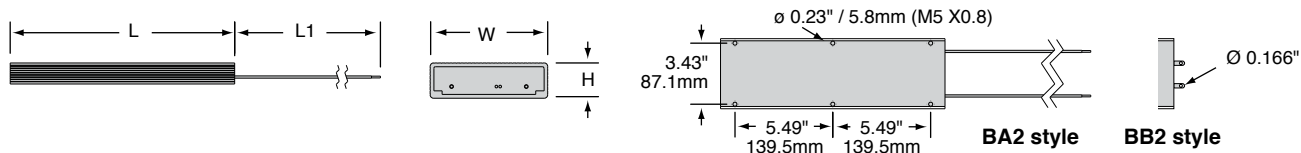
Aluminum Cased Resistor

DIMENSIONS

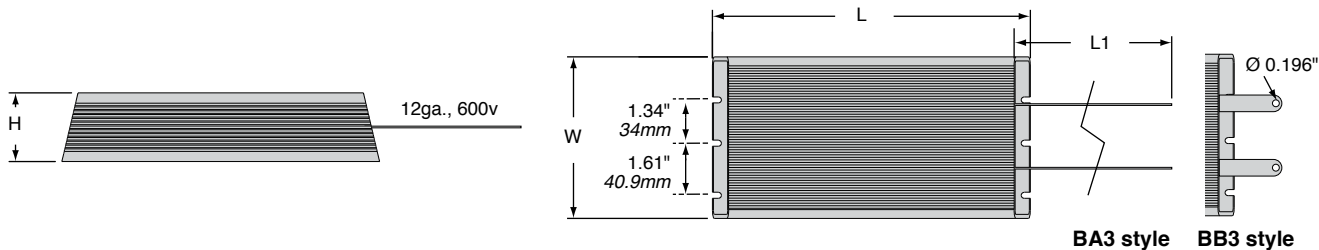
BA1 and BB1



BA2 and BB2



BA3 and BB3



| Type | L* | L1 | W | H |
|------|---------------|---------------|---------------|----------------|
| BA1 | 6.3" / 160mm | 10" / 254mm | 4.92" / 95mm | 1.18" / 30mm |
| BB1 | 6.3" / 160mm | | 4.92" / 95mm | 1.18" / 30mm |
| BA2 | 12.6" / 320mm | 31.5" / 800mm | 3.94" / 100mm | 1.18" / 30mm |
| BB2 | 12.6" / 320mm | | 3.94" / 100mm | 1.18" / 30mm |
| BA3 | 10.5" / 266mm | 12" / 304.8mm | 5" / 127mm | 2.13" / 54.1mm |
| BB3 | 10.5" / 266mm | | 5" / 127mm | 2.13" / 54.1mm |

* Custom Lengths for Different Wattages

ORDERING INFORMATION

| | | | |
|--|--|----------------|-------------------------------------|
| Thermal switch C = 160° B = 250° | Form 1 = extrusion | Non-inductive | |
| B | A | C | 1 1 6 0 1 0 0 R K N E |
| Series B = block aluminum | Termination A = wire leads B = solid terminals | Length (mm) | Resistance Tolerance K = ±10% |
| | | | RoHS Compliant |

Standard part numbers

| | |
|---------------|---------------|
| BAB1160R500KE | BAB232050R0KE |
| BAB11601R00KE | BAB32666R00KE |
| BAB11602R00KE | BAB326610R0KE |
| BAB116010R0KE | BAB326615R0KE |
| BAB116025R0KE | BAB326622R0KE |
| BAB232010R0KE | BAB326650R0KE |
| BAB232025R0KE | |

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