

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

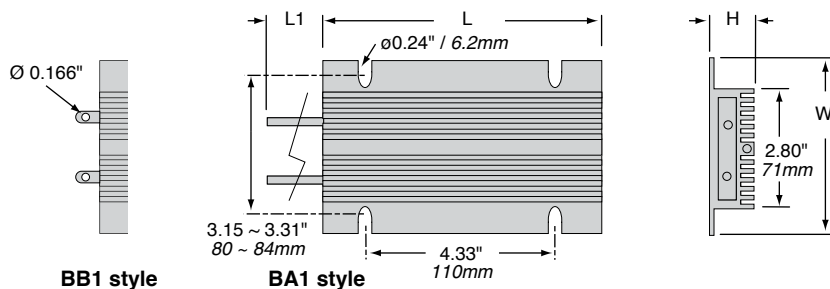
Overload	10 times rated wattage for 5 sec.
Power Rating	Free air; greater with heatsink
Dielectric Withstanding Voltage	2.5KV, 1 min., 50/60 Hz
Insulation Resistance	≥100MΩ
Working Voltage	1000V not to exceed max power rating
Max. Surface Temp.	385°C
Wire	UL listed 1199 PTFE 12 AWG

(continued)

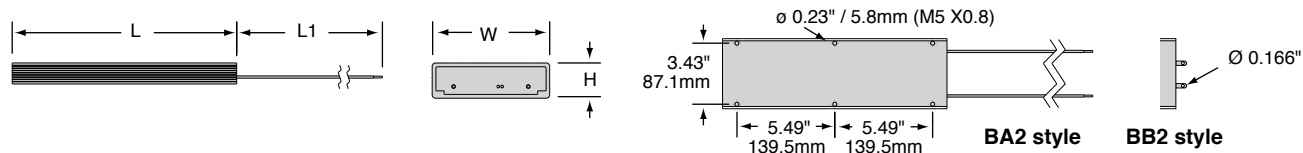
Aluminum Cased Resistor

DIMENSIONS

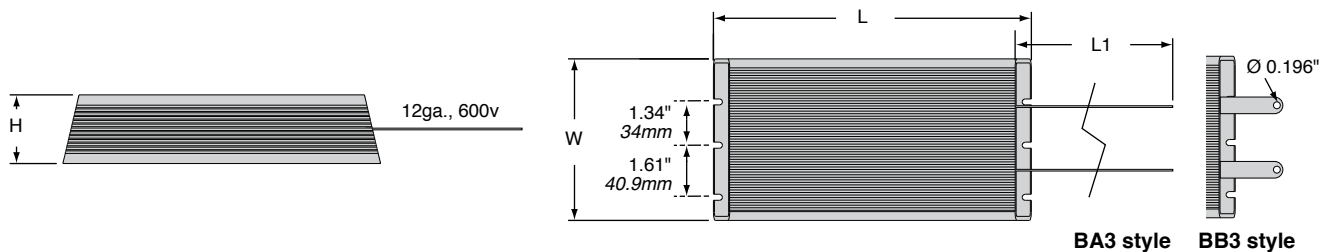
BA1 and BB1



BA2 and BB2



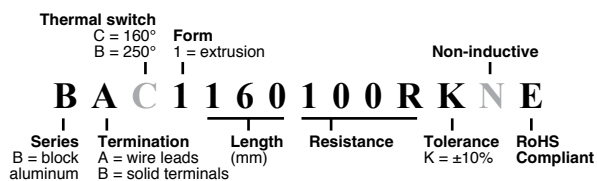
BA3 and BB3



Type	L*	L1	W	H
BA1	6.3" / 160mm	10" / 254mm	3.74" / 95mm	1.18" / 30mm
BB1	6.3" / 160mm		3.74 " / 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



Standard part numbers

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

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