

# 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 continues 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	10Ω - 10KΩ	±10%	320mm
BA3266	1000	10Ω - 10KΩ	±10%	266mm

\*Free air rating

### CHARACTERISTICS

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

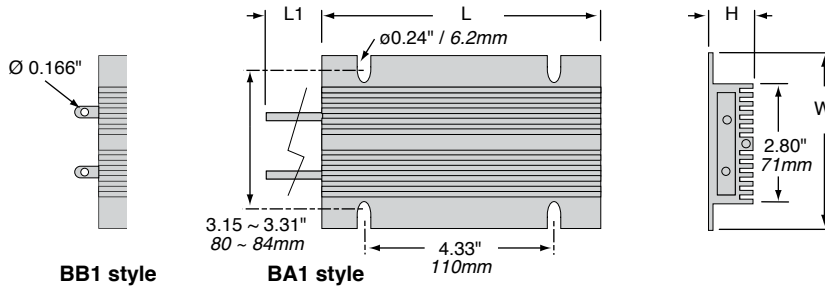
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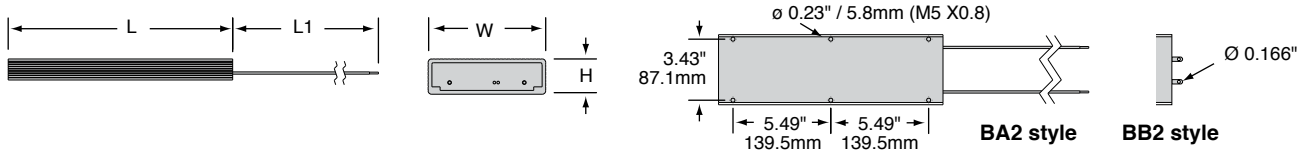
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### DIMENSIONS

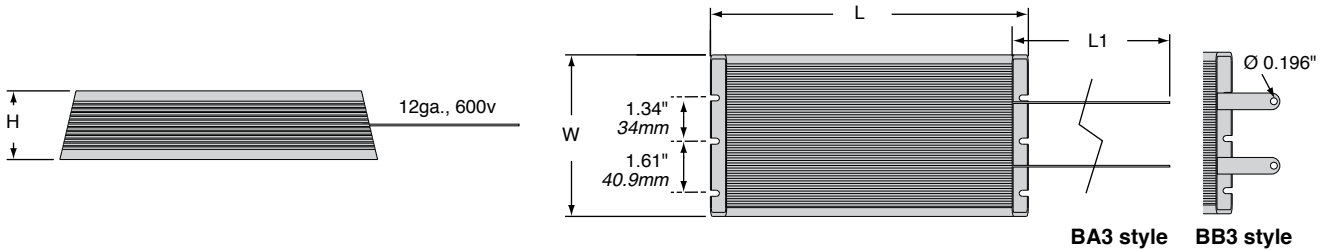
#### BA1 and BB1



#### BA2 and BB2



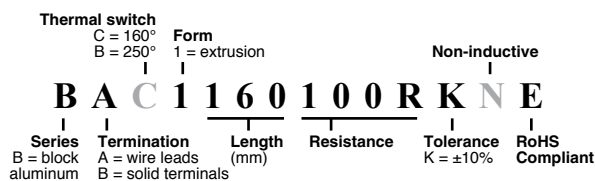
#### BA3 and BB3



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



#### Standard part numbers

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