

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	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)

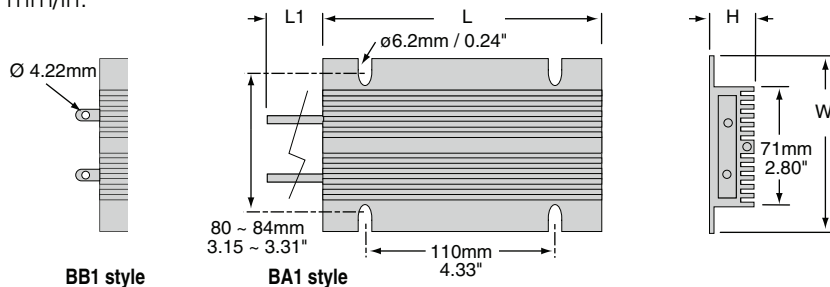
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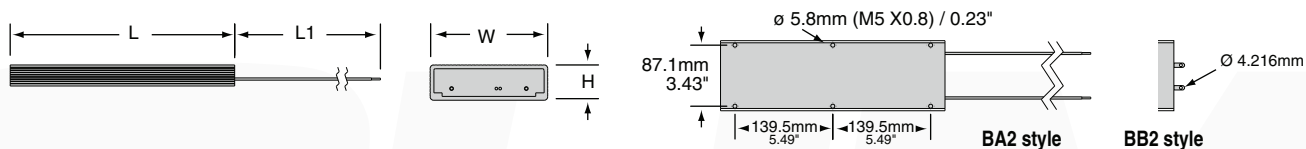
DIMENSIONS

BA1 and BB1

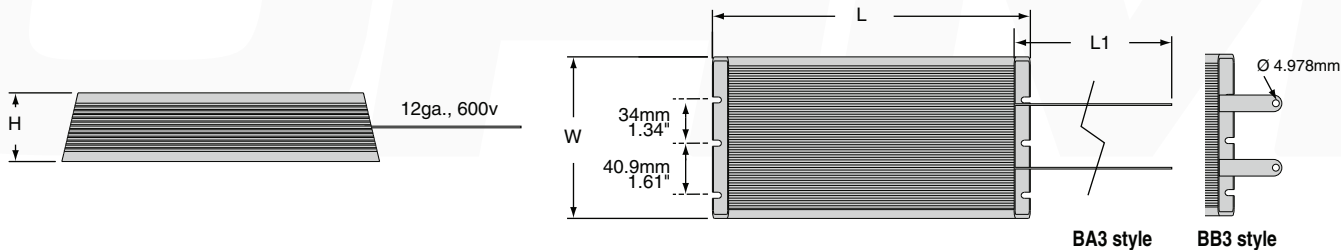
mm/in.



BA2 and BB2



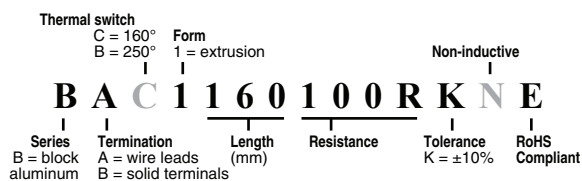
BA3 and BB3



Type	L*	L1	W	H
BA1	160mm / 6.3"	254mm / 10"	95mm / 3.74"	30mm / 1.18"
BB1	160mm / 6.3"		95mm / 3.74"	30mm / 1.18"
BA2	320mm / 12.6"	800mm / 31.5"	100mm / 3.94"	30mm / 1.18"
BB2	320mm / 12.6"		100mm / 3.94"	30mm / 1.18"
BA3	266mm / 10.5"	304.8mm / 12"	127mm / 5"	54.1mm / 2.13"
BB3	266mm / 10.5"		127mm / 5"	54.1mm / 2.13"

* Custom Lengths for Different Wattages

DIMENSIONS



Standard part numbers

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