



ENGLISH

Datasheet

AHBR – Metal Clad Braking Resistor



Product details :

AHBR range of metal encased braking Resistors designed for direct heat sink attachment.

- High Power density.
- Heat Sink mountable for increased power dissipation.
- UL approved cables.
- RoHS Compliant

Test Specifications :

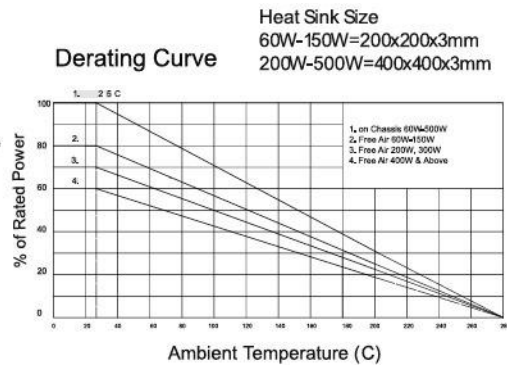
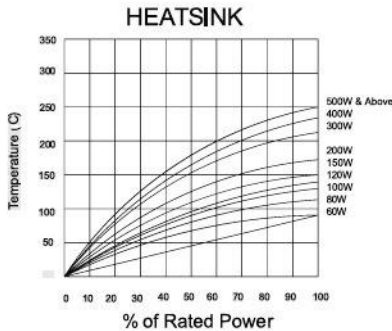
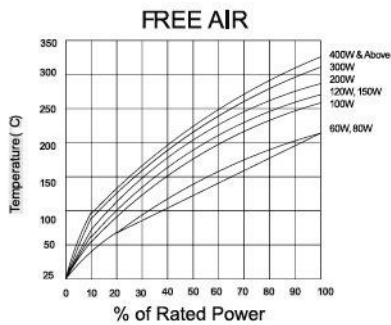
Characteristics	Condition	Compliance
Tolerance	For values less than 1 Ω For values Greater than 1 Ω	$\pm 5\%$ to $\pm 10\%$ $\pm 1\%$ to $\pm 5\%$
Temperature Co- Efficient		± 200 PPM/ $^{\circ}$ C Max
Insulation Resistance	Dry/Normal	20M Ω Min
Endurance	1.5Hrs ON, 1.5Hrs OFF for 1000 Hrs @ Room Temperature	$\Delta R < \pm(5\% + 0.05\Omega)$
Short Term OverLoad	≤ 60 W 5 x Rated Power for 5 Sec > 60 W 10 x Rated Power for 5 Sec	$\Delta R < \pm(2\% + 0.05\Omega)$
Operating Temperature	-25 $^{\circ}$ C to 250 $^{\circ}$ C	
Dielectric Strength	1500VAC rms for 1 minute	No Breakdown or flashover
Humidity	40 $^{\circ}$ C, 90% Rh, 240Hrs	$\Delta R < \pm(3\% + 0.05\Omega)$



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Specifications :

Series	Power Rating on Std Heatsink (W)	Power Rating with No Heat Sink	Max Surface Temperature on Heatsink °C
AHBR60	60	55	230
AHBR80	80	65	230
AHBR100	100	75	230
AHBR120	120	90	250
AHBR150	150	100	250
AHBR200	200	110	270
AHBR300	300	155	270
AHBR400	400	200	270
AHBR500	500	270	270
AHBR600	600	300	270
AHBR800	800	330	270
AHBR1000	1000	450	270



Dimensions mm:

Series	Resistance Range	L	W	H	C	P1	p2
AHBR60	0.2Ω - 20Ω	115	40	20	290	100	20
AHBR80	0.5Ω - 1KΩ	140	40	20	290	125	20
AHBR100	1Ω - 1KΩ	165	40	20	290	150	20
AHBR120	6Ω - 1KΩ	190	40	20	290	175	20
AHBR150	6Ω - 1KΩ	215	40	20	290	200	20
AHBR200	0.5Ω - 1KΩ	165	60	30	290	150	30
AHBR300	0.5Ω - 1.5KΩ	215	60	30	290	200	30
AHBR400	1.5Ω - 2KΩ	265	60	30	290	250	30
AHBR500	1.5Ω - 2KΩ	335	60	30	290	320	30
AHBR600	1.5Ω - 2KΩ	335	60	30	290	320	30
AHBR800	2Ω - 2KΩ	400	60	30	290	385	30
AHBR1000	2Ω - 2KΩ	400	60	30	290	385	30

