

# KABR Wirewound Metal Clad Braking Resistor



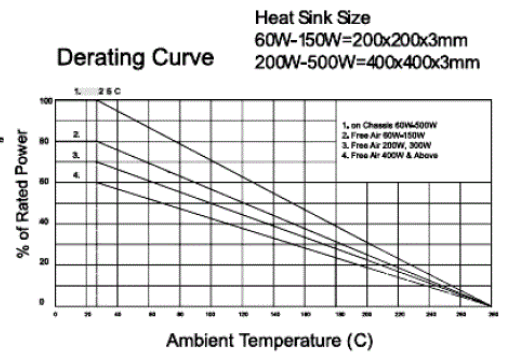
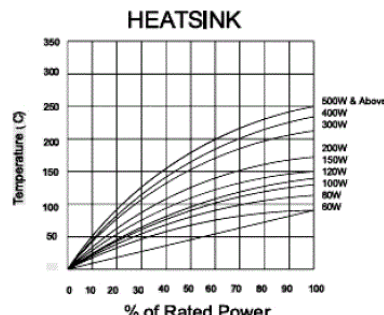
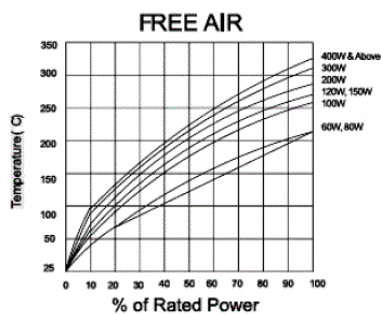
- Excellent stability, reliability and mechanically rigid
- Applications - motor drives, braking and snubber resistors
- Stacking solutions available
- RoHS Compliant



## Characteristics

Characteristics	Condition	Compliance
Tolerance	Resistance values <math><1\Omega</math> Resistance values >math>>1\Omega</math>	$\pm 5\%$ to $\pm 10\%$ $\pm 1\%$ to $10\%$
Temperature Co-efficient		$\pm 200$ PPM/ $^{\circ}\text{C}$ Max
Insulation Resistance	Dry/Normal	20M $\Omega$
Endurance	1.5Hrs ON, 0.5 Hrs OFF for 500 Hrs @ Room Temperature	$\Delta R < \pm(5\% + 0.05\Omega)$
Short Term Overload	$\leq 60\text{W}$ - 5 x Rated Power For 5 Seconds >60W - 10 x Rated Power For 5 Seconds	$\Delta R < \pm(2\% + 0.05\Omega)$
Operating Temperature	-25 $^{\circ}\text{C}$ - 250 $^{\circ}\text{C}$	
Humidity	40 $^{\circ}\text{C}$ , 90% Rh, 240Hrs	$\Delta R < \pm(3\% + 0.05\Omega)$
Dielectric Strength	1500VAC RMS for 1 Minute	

## Surface Temperature increase V/S Power Load & Derating Curve



1 of 2

CAT02 R01

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The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development, therefore, specifications may change.

It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.

# KABR Wirewound Metal Clad Braking Resistor



## Dimensions



Series	Max Continuous Power (w) (On Heatsink)	Max Continuous Power (w) (Without Heatsink)	Max. Surface Temperature on Heatsink	Resistance Range	L	W	H	C	P1	P2
KABR60	60	55	230	0.2Ω - 20Ω	115	40	20	290	100	20
KABR80	80	65	230	0.5Ω - 1KΩ	140	40	20	290	125	20
KABR100	100	75	230	1Ω - 1KΩ	165	40	20	290	150	20
KABR120	120	90	250	6Ω - 1KΩ	190	40	20	290	175	20
KABR150	150	100	250	6Ω - 1KΩ	215	40	20	290	200	20
KABR200	200	110	270	0.5Ω - 1KΩ	165	60	30	290	150	30
KABR300	300	155	270	0.5Ω - 1.5KΩ	215	60	30	290	200	30
KABR400	400	200	270	1.5Ω - 2KΩ	265	60	30	290	250	30
KABR500	500	270	270	1.5Ω - 2KΩ	335	60	30	290	320	30
KABR600	600	300	270	1.5Ω - 2KΩ	335	60	30	290	320	30
KABR800	800	330	270	2Ω - 2KΩ	400	60	30	290	385	30
KABR1000	1000	450	270	2Ω - 2KΩ	400	60	30	290	385	30

## Ordering Procedure

Standard Resistor: Series, Resistance Value, Tolerance

Special: F = Flat Terminations

KABR60 10R J

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# Mouser Electronics

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[KABR300 47R J](#) [KABR400 10R J](#) [KABR300 100R J](#) [KABR800 100R J](#) [KABR1000 47R J](#) [KABR800 220R J](#)  
[KABR600 100R J](#) [KABR60 2R2 J](#) [KABR120 10R J](#) [KABR800 22R J](#) [KABR120 33R J](#) [KABR600 10R J](#) [KABR300](#)  
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[220R J](#) [KABR300 1R5 J](#) [KABR200 22R J](#) [KABR300 220R J](#) [KABR500 47R J](#) [KABR500 10R J](#) [KABR200 100R J](#)  
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[3R3 J](#) [KABR800 47R J](#)