

# KABR Wirewound Metal Clad Braking Resistor



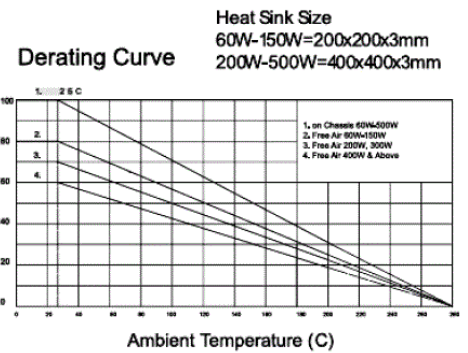
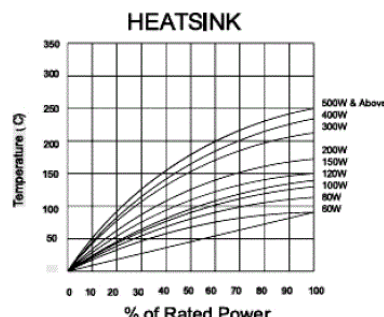
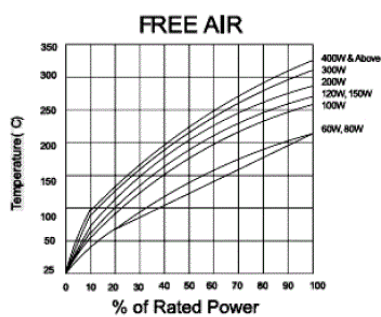
- Excellent stability, reliability and mechanically rigid
- Applications - motor drives, braking and snubber resistors
- Stacking solutions available
- RoHS Compliant



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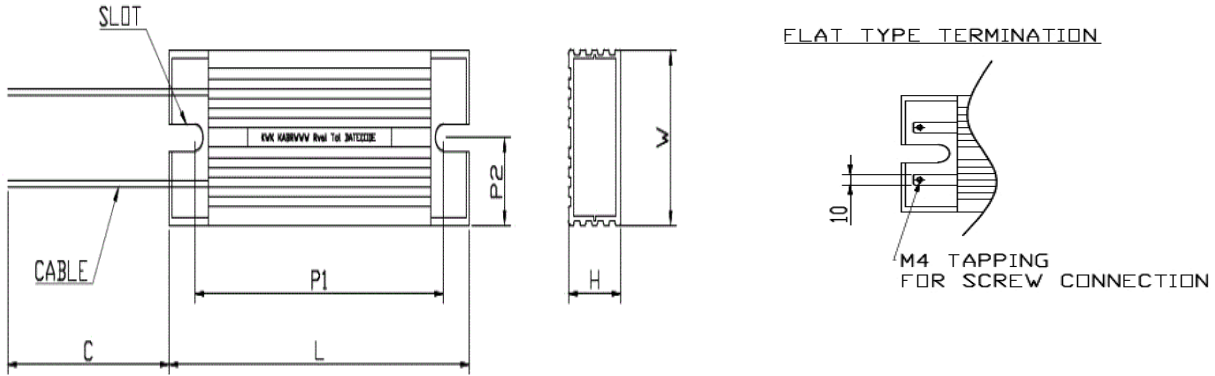
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It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.

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## 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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