

# KABR Wirewound Metal Clad Braking Resistor



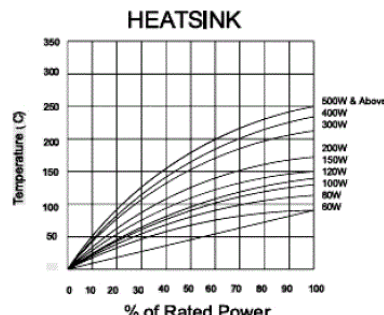
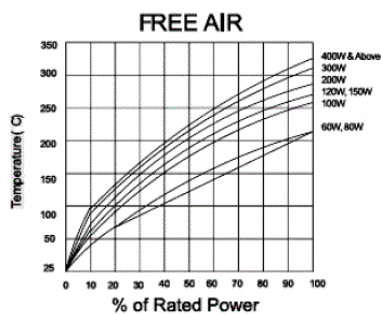
- Excellent stability, reliability and mechanically rigid
- Applications - motor drives, braking and snubber resistors
- Stacking solutions available
- RoHS Compliant



## 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 >math>60\text{W}</math> - 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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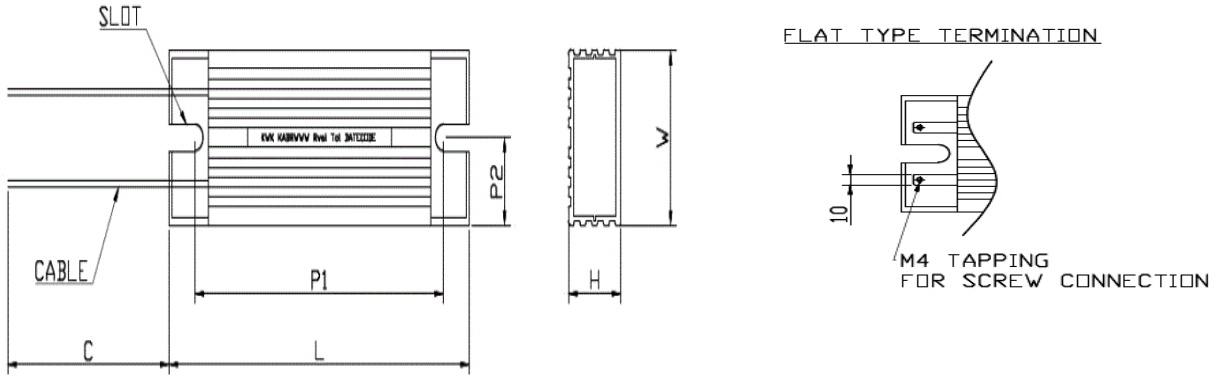
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It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.

# 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](#)  
[KABR600 47R J](#) [KABR300 33R J](#) [KABR1000 100R J](#) [KABR200 1R J](#) [KABR60 10R J](#) [KABR1000 10R J](#) [KABR300](#)  
[3R3 J](#) [KABR800 47R J](#)