

KABR

Wirewound Metal Clad Braking Resistor

FEATURES

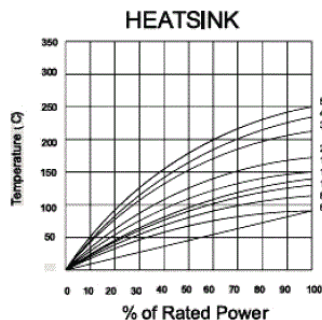
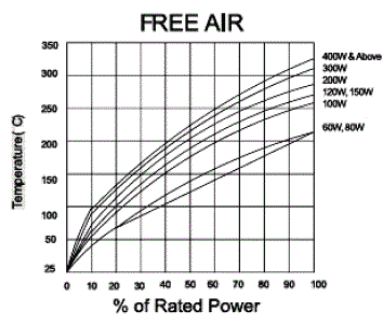
- Excellent stability, reliability and mechanically rigid
- Applications-motor drives, braking and snubber resistors
- Stackinf solutions available
- RoHS Compliant



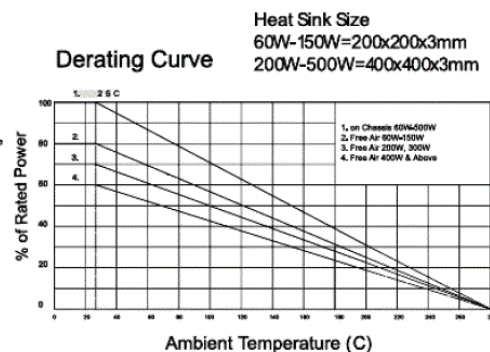
CHARACTERISTICS

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

SURFACE TEMPERATURE INCREASE V/S POWER LOAD & DERATING CURVE



1 of 2



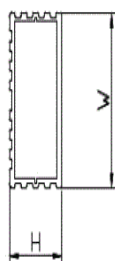
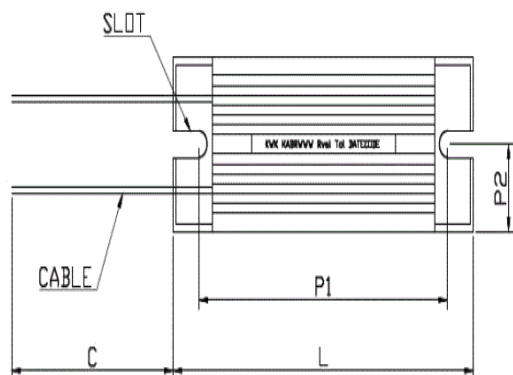
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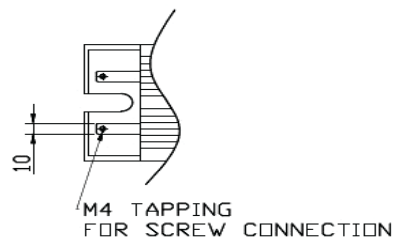
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CHARACTERISTICS

(mm)



FLAT TYPE TERMINATION



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 INFORMATION

Standard Resistor:
Series, Resistance Value, Tolerance

KABR60 10R J

Special:
F = Flat Terminations

KABR60 10R J F