

KWK RESISTORS INDIA



KAHB - METAL CLAD BRAKING RESISTORS - HIGH POWER

The KAHB series are high power dynamic braking resistors with an aluminum casing. These resistors are compact and economical. This series resistors offer excellent load life stability. Power dissipation of up to 5000W is available in the KAHB series. For lower wattages, refer KABR series. Custom wattage can be designed and supplied on request.

Features:

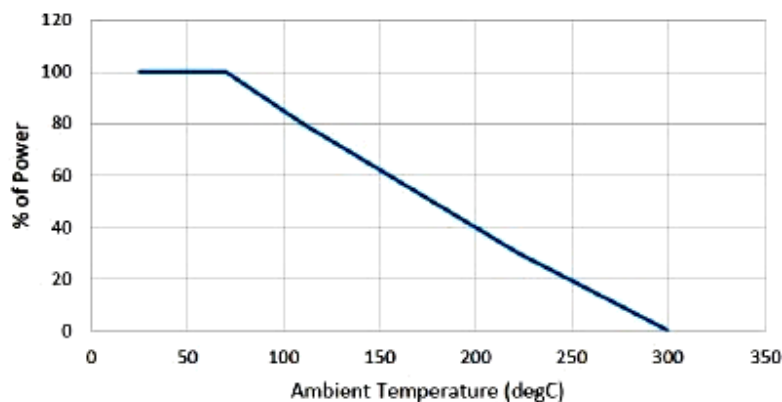
- Excellent Electrical stability, reliability and mechanically very rigid.
- Non Inductive version available.
- Termination style can be UL Approved Cables or Flat terminals for screw fixing.
- Custom terminations & Vertical mounting arrangements possible.
- Thermal cutout can be provided on request.
- Stacking solution available.



PERFORMANCE CHARACTERISTICS

Characteristics	Condition	Compliance
Tolerance	For Values less than 1Ω For Values greater than 1Ω	± 5% to ±10% ± 1% to ±10%
Temperature Co-efficient		±200 PPM/°C max
Insulation Resistance	Dry/Normal	>1000MΩ min.
Endurance	1.5Hrs ON, 0.5Hrs OFF for 500Hrs @Room Temperature	$\Delta R < \pm(5\% + 0.05\Omega)$
Short Term Overload	10 x Rated Power for 5 sec	$\Delta R < \pm(2\% + 0.05\Omega)$
Operating Temperature	-25°C to 250°C	
Humidity	40°C, 90% Rh, 240Hrs	$\Delta R < \pm(3\% + 0.05\Omega)$
Dielectric Strength	3kVAC rms for 1minute	No Breakdown or Flashover

POWER DERATING CURVE



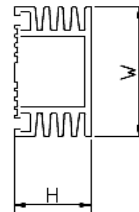
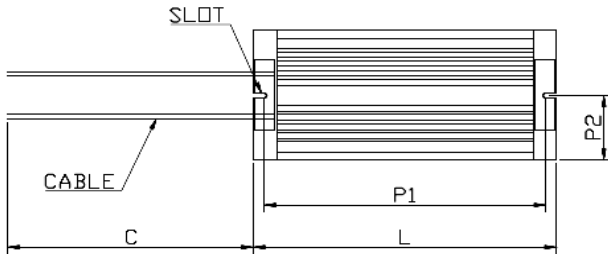
KWK RESISTORS INDIA



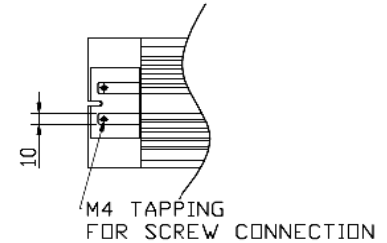
KAHB - METAL CLAD BRAKING RESISTORS - HIGH POWER

RESISTANCE RANGE AND DIMENSIONAL DETAILS

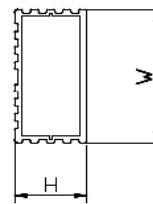
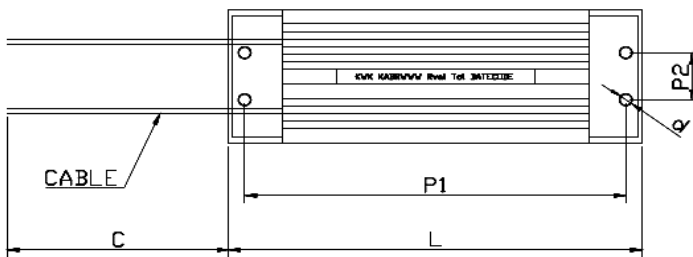
KAHB1250 & KAHB1500



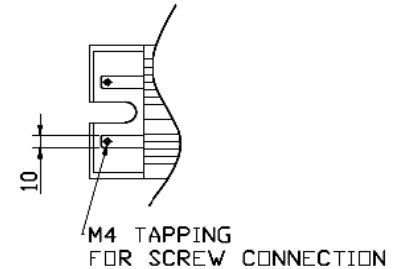
FLAT TYPE TERMINATION



KAHB2000 to KAHB5000



FLAT TYPE TERMINATION



Note: All dimension are in mm.

Series	Max. Continuous Power (W) (on Heat sink)	Max. Continuous Power (W) (W/o Heat sink)	Resistance Range	L ±1	W ±1	H ±1	C ±1	P1 ±0.5	P2 ±0.5	Mounting Detail ±0.5
KAHB1250	1250	550	2Ω - 2KΩ	400	67	38	290	385	NA	7x10 slot
KAHB1500	1500	700	6Ω - 2KΩ	495	67	38	290	480	NA	7x10 slot
KAHB2000	2000	800	10Ω - 1KΩ	400	103	52	290	390	40	Dia 6 Holes
KAHB3000	3000	1100	10Ω - 1.2KΩ	400	103	52	290	390	40	Dia 6 Holes
KAHB4000	4000	1400	18Ω - 1.8KΩ	450	103	52	290	440	40	Dia 6 Holes
KAHB5000	5000	1800	20Ω - 2.2KΩ	550	103	52	290	540	40	Dia 6 Holes

ORDERING DETAILS

KAHBseries R T Y
 KAHBseries - Series Model #
 R - Resistance Value (e.g.: 1R=1Ω; 10R2=10.2Ω; 1K=1kΩ; 1k2=1.2kΩ)
 T - Tolerance Code (±1% - F, ±2% - G, ±5% - J, ±10% - K)
 Y - Termination Type (C - Cable, F - Flat Terminations)
 Example: KAHB2000 10R J C - KAHB 2000W 10R 5% with cable Terminations.

Disclaimer: Product specifications, data and dimensions are subject to change without any prior notice to improve performance, reliability and design.

Please feel free to contact us for any assistance required to choose the right solution. We are also able to design Custom Resistive Solutions.

KWK Resistors India Pvt. Ltd.

Reg. Office: B-81, Industrial Estate, Rajajinagar, Bengaluru-560044.India
 Works: #72, 3rd main, 2nd stage, Industrial suburb, Yeshwanthpur, Bengaluru-560022.India
 Ph.:+91-80-23370038, Tele/Fax:+91-80-23370046 Email: contact@kwk-resistors.in



**BUREAU
VERITAS**