

# KWK RESISTORS INDIA



## KSAH - METAL CLAD BRAKING RESISTORS - SLIM TYPE

The KSAH style is a range of high quality, high stability Aluminium housed Power resistors designed for direct heat sink attachment. This is also one of the slimmest profile available in this power range.

A wide range of resistance values are available in powers of 100W to 500W.

Design of higher wattage resistors for special applications can be done with ease.

This series is RoHS compliant

### Features:

- Excellent Heat transfers and small dimensions.
- Non Inductive types possible (please contact KWK).
- UL approved cables used for terminations.
- Custom terminations & Vertical mounting arrangements possible.
- Stacking solution available.

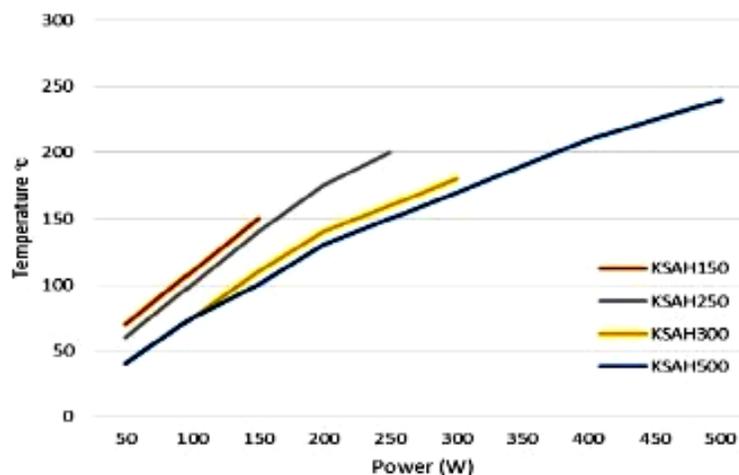


CE RoHS

## PERFORMANCE CHARACTERISTICS

Characteristics	Condition	Compliance
Tolerance		±5%
Temperature Co-efficient		< ±100 PPM/°C
Insulation Resistance	Dry/Normal	> 500MΩ
Endurance	1.5Hrs ON, 1.5Hrs OFF for 1000Hrs @Room Temperature	ΔR < ±1%
Short Term Overload	5 x Rated Power for 5sec	ΔR < ± (1% + 0.05Ω)
Operating Temperature	-25°C to 250°C	
Dielectric Strength	1500VAC rms for 1minute	No Breakdown or Flashover
Power Derating		Linearly from 100% at 25°C to 0 at 260°C

## SURFACE TEMPERATURE INCREASE v/s POWER LOAD

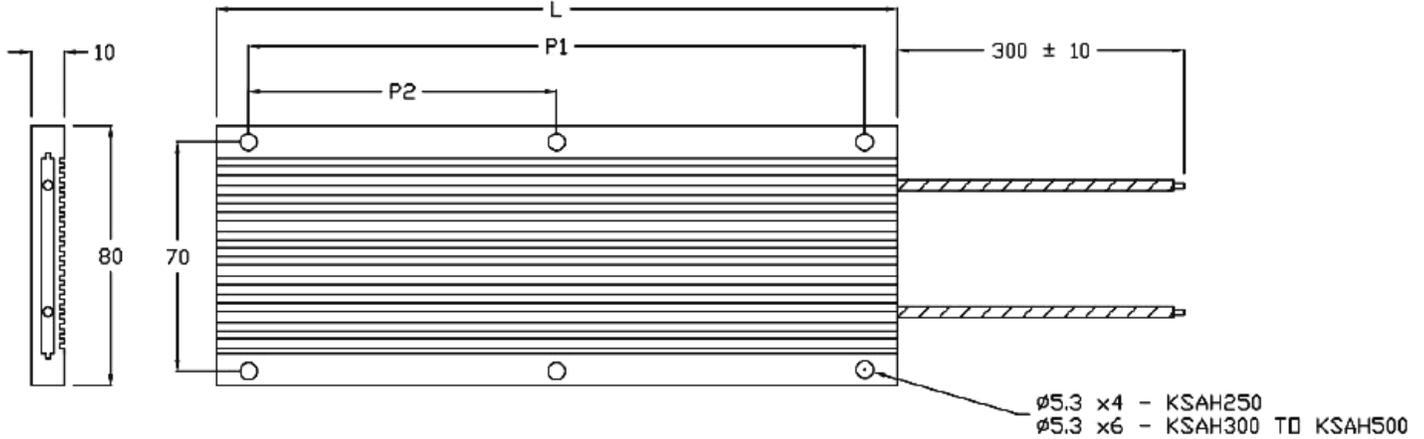


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### RESISTANCE RANGE AND DIMENSIONAL DETAILS



*Note: All dimension are in mm.*

Series	Power rating on Std Heat sink (W)	Power rating with no Heat sink (W)	Resistance Range ( $\Omega$ )	Standard Chassis		L	P1	P2
				Sq.cm	Thickness			
KSAH150	150	75	1 $\Omega$ - 1K $\Omega$	930	3	120	100	NA
KSAH250	250	125	1 $\Omega$ - 1.5K $\Omega$	930	3	180	160	NA
KSAH300	300	150	1 $\Omega$ - 1.7K $\Omega$	1600	3	210	190	95
KSAH500	500	250	1 $\Omega$ - 3K $\Omega$	1600	3	330	310	155

### ORDERING DETAILS

KSAHseries R J  
 KSAHseries - Series Model #  
 R - Resistance Value (e.g.: 1R=1 $\Omega$ ; 10R2=10.2 $\Omega$ ; 1K=1k $\Omega$ ; 1k2=1.2k $\Omega$ )

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

Example: KSAH150 10R J - KSAH 150W 10R 5%.

*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.

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