



Style HB – Adjustable Heavy Duty Open Wound Power Resistor

Introduction

The range of LPC Heavy Duty Open Wound Power Resistors are available from 240 to 1080 Watts. They are RoHS Compliant and are wound on 50mm diameter ceramic tubes. Mounted by means of horizontal mounting feet, they are supplied with one adjustable tapping band as standard. More adjustable bands can be supplied on request. Removal of the adjustable band creates a fixed resistor.

Ordering Procedure

Adjustable Resistors—Specify: Type, Ohmic Value, Tappings, Tolerance. E.g. HB24-200R-2T ±5%

General Notes

Ohmic Values

The range of ohmic values and dimensions available are shown below. You may select any ohmic value between the max and min values.

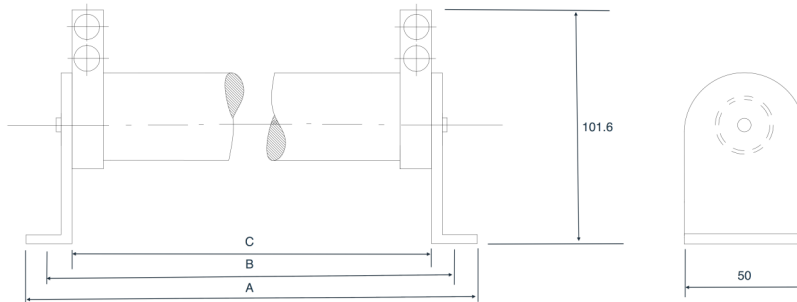
Type	Watts	Resistance (Ohms)		Dimensions (mm) ±2mm		
		Min	Max	A	B	C
HB24	240	0.216	432	216	198	152
HB36	360	0.292	576	267	249	203
HB48	480	0.36	720	318	300	254
HB60	600	0.435	864	369	351	305
HB72	720	0.518	1002	420	402	356
HB84	840	0.58	1152	470	452	406
HB96	960	0.654	1230	521	503	457
HB108	1080	0.726	1440	572	554	508

Tolerance:

Fixed above 10R ±5%

Fixed below 10R ±10%

All Adjustable resistors ±10%



Product Details

The ceramic formers are non-hygroscopic, will withstand severe thermal shock and have a thermal coefficient of expansion that matches the component parts of the resistor. The Thermal Coefficient of Expansion is better than 0.02% per °C. To include a safety factor the surface temperature rise should not be more than 450°C. The HB range of heavy duty resistors can be supplied with a vitreous enamel or silicone coating if required.

Maximum Operating Voltages

As a general rule voltage should be limited to a maximum of 1KV per 25mm of winding. However, if the resistor is mounted on a non-insulated material 2KV should be regarded as the absolute maximum.

Round Section High Power & Low Wattage Resistors

LPC manufacture a number other high power resistors as well as low wattage resistors. For details please contact our technical staff or see our website.