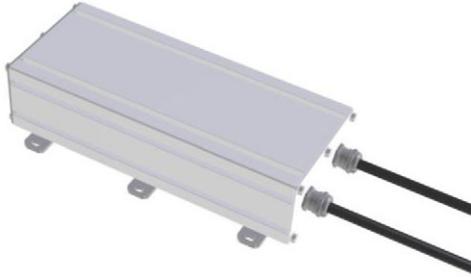


## Aluminum Housed Braking Resistor



### FEATURES

- Robust design
- High temperature raw material
- Fire and smoke resistant
- Customized resistor
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

### APPLICATIONS

- Shunt resistor
- Braking resistor

### STANDARD ELECTRICAL SPECIFICATIONS

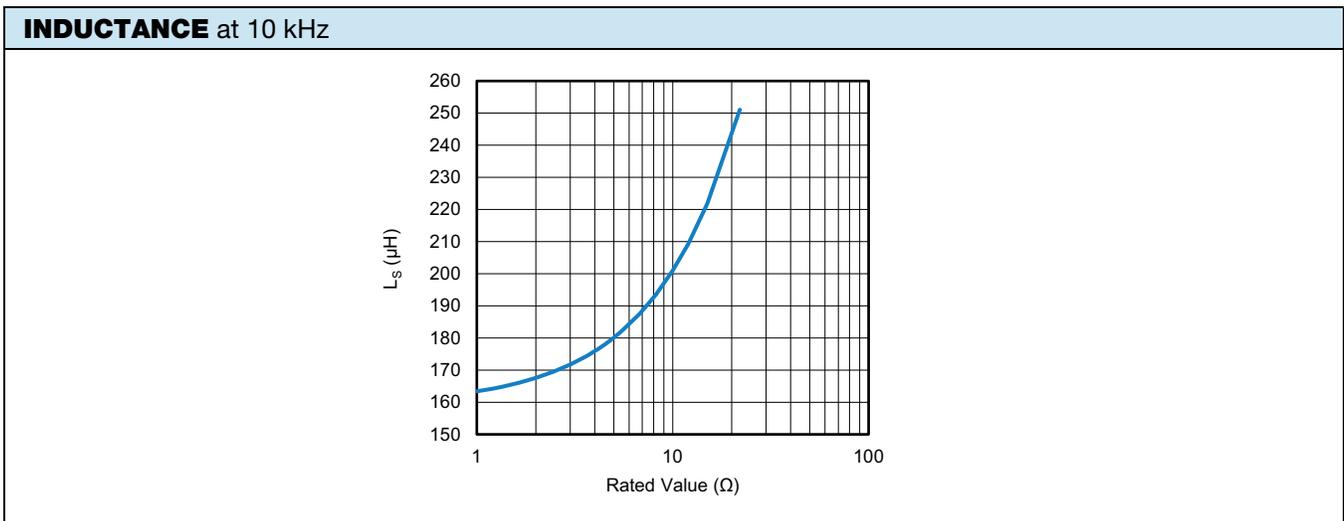
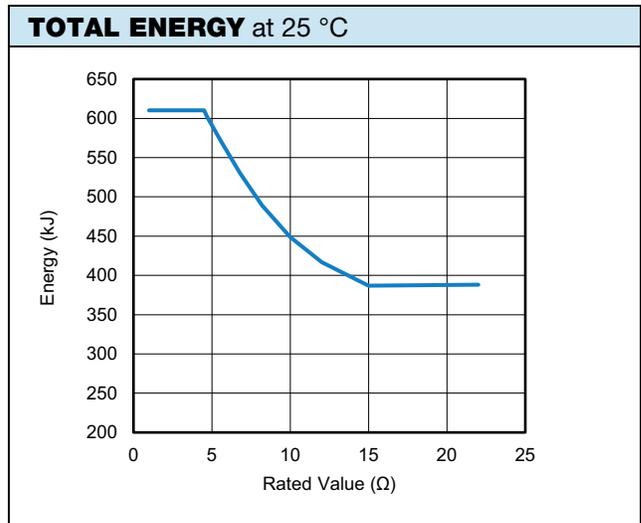
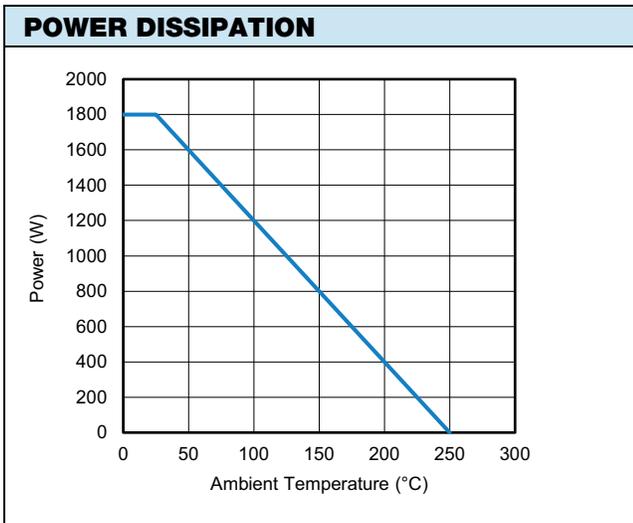
MODEL	SIZE	RESISTANCE RANGE $\Omega$	MAX. RATED POWER W	TOLERANCE $\pm$ %	TEMPERATURE COEFFICIENT $\pm$ ppm/ $^{\circ}$ C	E-SERIES OHMIC VALUES
AHR400	400	1 to 22	1800	5	130	E12

### GENERAL SPECIFICATIONS

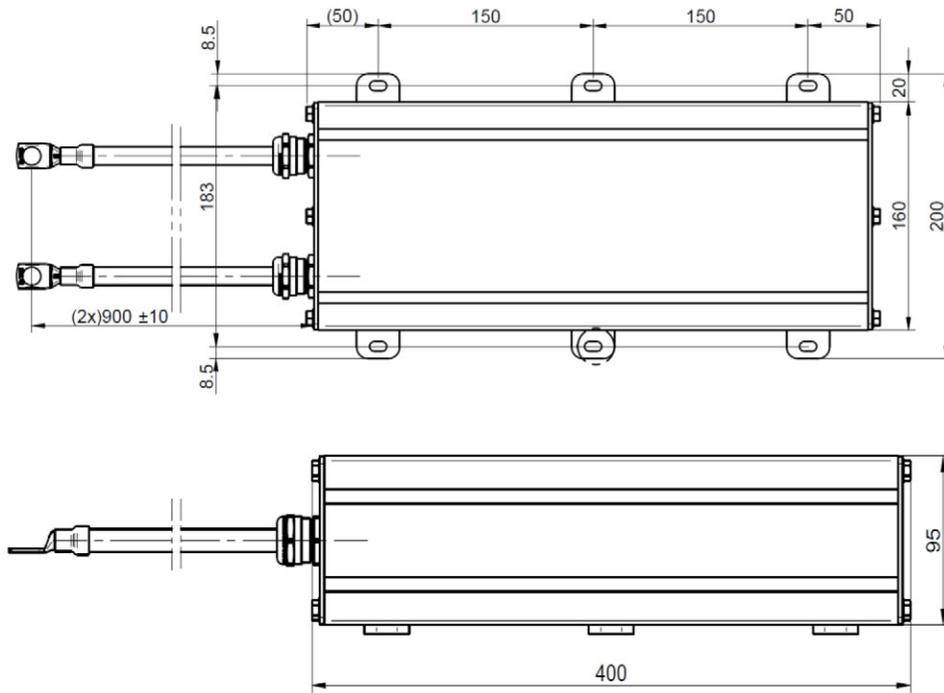
Frame	Sealed aluminum housing
Resistive element	Resistive coil alloy
Protection class	IP54
Insulating type	Double
Insulation material	Silicon

### TECHNICAL SPECIFICATIONS

Nominal power	1800 W
Operating temperature range	-55 $^{\circ}$ C to +250 $^{\circ}$ C
Maximum operating voltage	3600 V standard 7200 V optional
Dielectric strength terminals to frame	7.5 kV <sub>RMS</sub> (50 Hz / 1 min) standard 11 kV <sub>RMS</sub> (50 Hz / 1 min) optional
CTI	> 600
Inductance	Refer to "Inductance" chart
Weight (max.)	< 15 kg

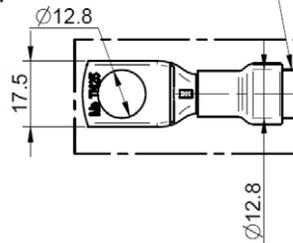


**DIMENSIONS** in millimeters



**STANDARD CONNECTION**

Câble 25mm<sup>2</sup> type EN 50382-2  
3600V



**Note**

- Other dimensions and cable quality available on request

**STORAGE CONDITIONS**

Parts shall be stored in a dry place from -40 °C to +85 °C.

**COOLING**

Natural cooling with both orientation possible (vertical and horizontal).  
Customer shall pay attention to vicinities when resistor can heat up to 350 °C (on the body).



**ORDERING INFORMATION**

Part Number Example: AHR4004R50JBXXX

A	H	R	4	0	0	4	R	5	0	J	B	X	X	X
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

PRODUCT TYPE
<b>AHR</b>

SIZE
<b>400</b>

RESISTANCE VALUE
The first three digits are significant figures and the last specifies the number of zeros to follow, R designates decimal point. Examples: <b>4702</b> = 47 kΩ <b>47R0</b> = 47 Ω

TOLERANCE
<b>J</b> = 5 % <b>K</b> = 10 %

PACKAGING
<b>B</b> = box

INDUSTRIALIZATION NUMBER
3 specific digits (if applicable)



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