

## Heatsink - ICE50-R100X67-A1 - 1118306

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Heatsink, Aluminum, anodized, width: 67.4 mm

### Your advantages

- ✔ Heatsinks enable the finished devices to be used in thermally demanding applications
- ✔ Extensive thermal simulations help achieve the optimum arrangement of components on the printed circuit board
- ✔ Customized heatsinks for reliable heat dissipation
- ✔ Simplified engineering process: all the services needed for your specific device design



### Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 063151 046705
GTIN	4063151046705

### Technical data

#### Item properties

Brief article description	Heatsink
Type	ICE50-R100X67-A1
Order No.	1118306
Housing type	Heatsink
Housing series	ICS
Max. IP code to attain	IP20
Mounting type	Slot

#### Dimensions

Width [ w ]	67.4 mm
Height [ h ]	50.1 mm
Length [ l ]	105 mm

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## Technical data

### Dimensions

Base panel thickness [ b ]	6 mm
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### Material specifications

Color	aluminum color
Material	Aluminum
Surface characteristics	anodized
Thermal resistance $R_{th}$	1.58 K/W (At $\Delta T$ 65 K for ambient temperature)
	2.91 K/W (At $\Delta T$ 5 K for ambient temperature)

### Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 55 °C
Ambient temperature (assembly)	-5 °C ... 100 °C

### General information

Note	Refer to the data sheet for the range in the download area.
	Individual milling possible.
	The $R_{th}$ diagram shows the application, free-hanging (vertical) in the direction of flow.

### Packaging information

Pieces per package	10
Denomination packing units	Pcs.

### Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.15 mm (10 - 58.1 Hz)
Acceleration	2g (58.1 - 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

### Shock

Specification	IEC 60068-2-27:2008-02
Pulse shape	Semi-sinusoidal
Acceleration	15g
Shock duration	11 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

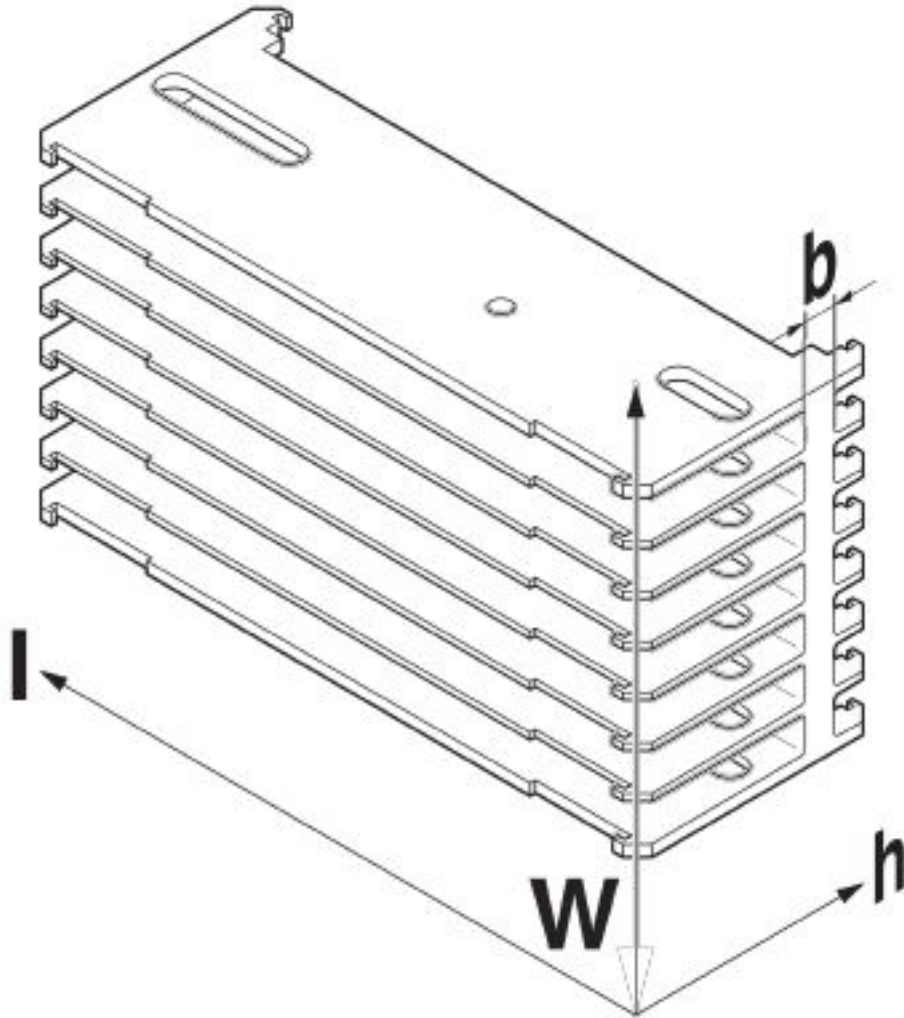
### Test for substances that would hinder coating with paint or varnish

Specification	VW PV 3.10.7:2005-02
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## Drawings

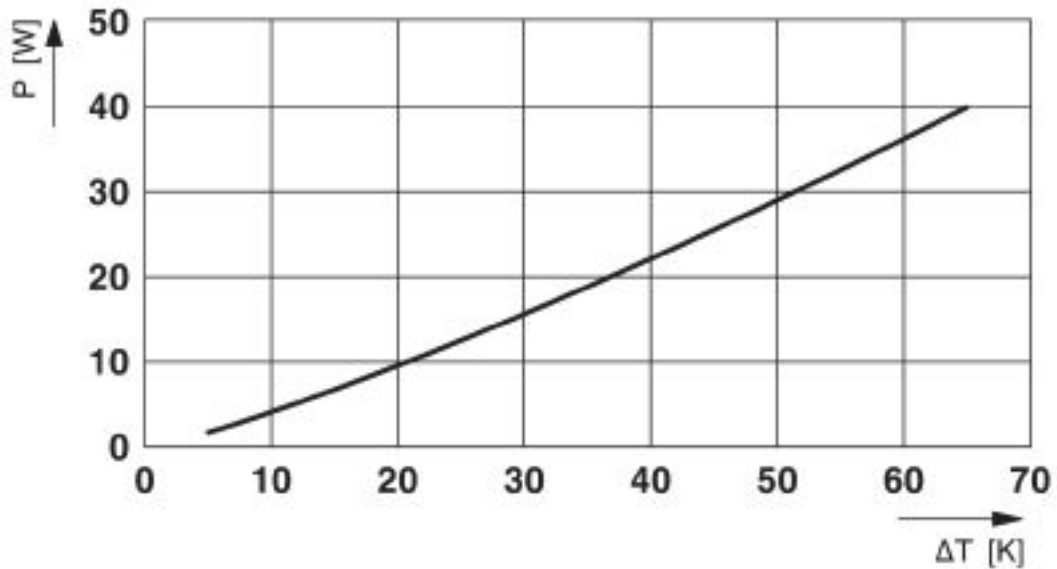
# Heatsink - ICE50-R100X67-A1 - 1118306

Dimensional drawing



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Diagram



R<sub>th</sub> diagram of heatsink ICE 100 mm

## Classifications

eCl@ss

eCl@ss 10.0.1	27260501
eCl@ss 9.0	27260501

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