

UCS HS-HH 145-125 AL - Heatsink

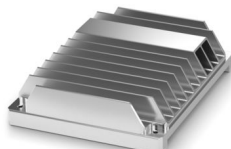
1481698

<https://www.phoenixcontact.com/gb/products/1481698>



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Heatsink for housing series: UCS, type: Half shell, material: Aluminum, anodized, width: 94.8 mm, height: 114.8 mm, Milling of the housing half-shell is required.



Your advantages

- Heatsink solutions enable devices to be used in thermally demanding applications
- Optimal thermal path for reliable heat dissipation
- Custom-tailored to various hot spots
- Heatsink solutions can be used in a variety of housing sizes
- Made-to-fit system solutions with mounting materials

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1481698 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | ACFCAG |
| Product key | ACFCAG |
| GTIN | 4063151900731 |
| Weight per piece (including packing) | 297.3 g |
| Weight per piece (excluding packing) | 270 g |
| Country of origin | CN |

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Technical data

Notes

| | |
|--------------------|---|
| Assembly note | Milling of the housing half-shell is required. |
| General | Please observe the application note in the download area. |
| General | Individual milling possible. |
| Order information: | Mounting screws are supplied as standard. |
| Recommendation | Further information and detailed dimensions are available in the download area. |

Product properties

| | |
|------------------------------|------------|
| Product type | Heatsink |
| Housing type | Heatsink |
| Housing series | UCS |
| Type | Half shell |
| Ventilation openings present | no |

Dimensions

| | |
|--------|----------|
| Width | 94.8 mm |
| Height | 114.8 mm |
| Depth | 28 mm |

Material specifications

| | |
|-------------------------|----------------|
| Color | aluminum color |
| Material | Aluminum |
| Surface characteristics | anodized |

Environmental and real-life conditions

Vibration test

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

Shocks

| | |
|--------------------------------|-----------------------------------|
| 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.) |

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Test for substances that would hinder coating with paint or varnish

| | |
|---------------|--------------------|
| Specification | VDMA 24364:2018-05 |
| Result | Test passed |

Ambient conditions

| | |
|---|------------------|
| Max. IP code to attain | IP40 |
| Ambient temperature (storage/transport) | -40 °C ... 55 °C |
| Ambient temperature (assembly) | -5 °C ... 100 °C |

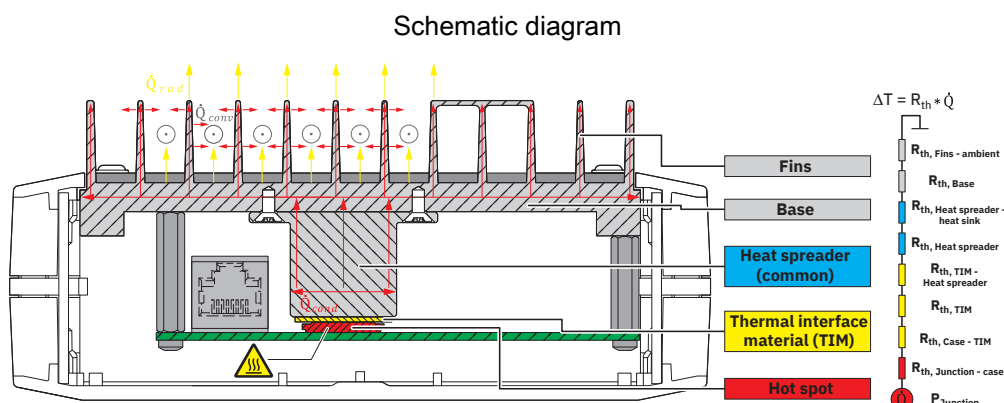
Mounting

| | |
|-------------------|----------------|
| Mounting type | Screw mounting |
| Mounting position | any |

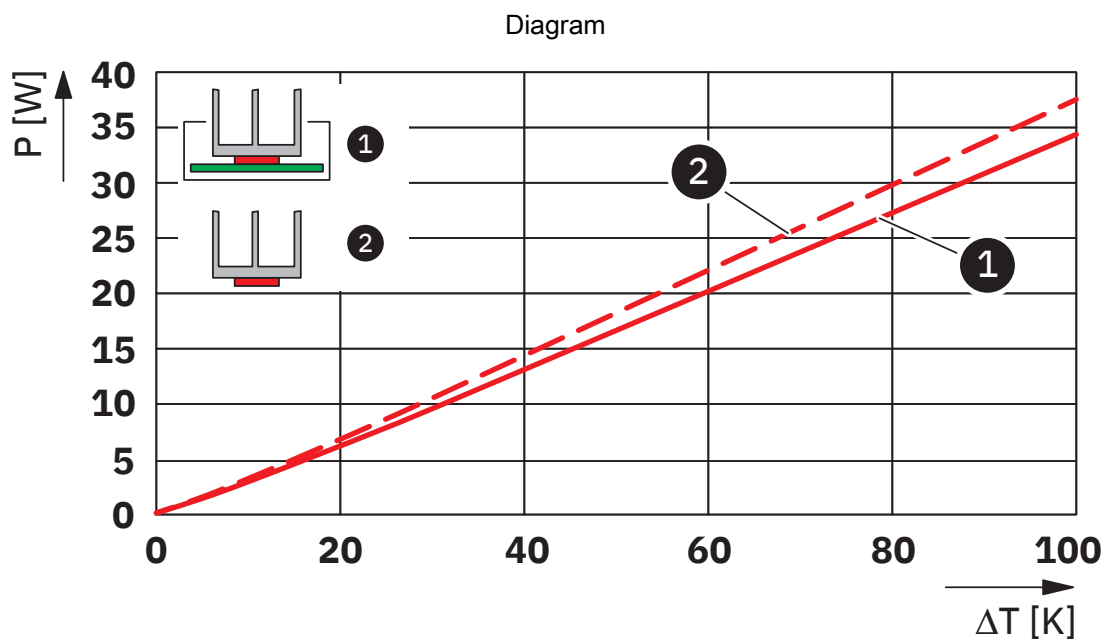
Packaging specifications

| | |
|-------------------|---------------|
| Type of packaging | Box packaging |
|-------------------|---------------|

Drawings



The thermal path in an electronics housing system

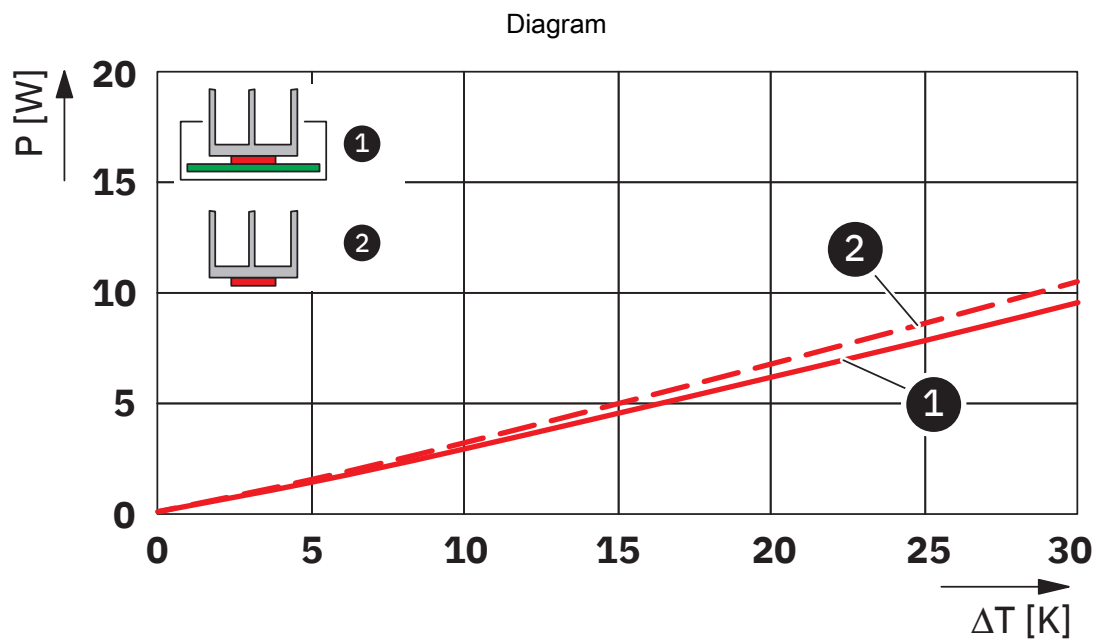


Power dissipation diagram for 0 K ... 100 K

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Power dissipation diagram for 0 K ... 30 K

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27260501 |
|-------------|----------|

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC001143 |
|----------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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