

# Heat Sinks

## DC to DC

multicomp<sup>PRO</sup>

RoHS  
Compliant

### Features

- Extruded, cross-cut, optimised design for specific flow required
- Fits industry standard brick size DC-to-DC modules
- Lengthwise and crosswise fin orientations in two different fin heights to allow a precise match to the application
- Thin fin geometry which increases thermal performance and reduces pressure drop

### Applications

- DC-DC converters

### Specification

Property	Units	Value
Material	N/A	Aluminium 6063-T5
Colour	-	Black
Max working temperature	degC	500
Thermal resistance	degC/W	See graphs
Airflow	LFM	See graphs
Pressure drop	In. of H <sub>2</sub> O	See graphs

### Part Number Table

Part Number	Title	Length mm (A)	Width mm (B)	Height mm (C)	Drawing no.
MP008876	Heat Sink, DC-DC, 1/8 Low Flow Lengthwise	58.4	22.9	19.7	D
MP008877	Heat Sink, DC-DC, 1/8 Low Flow Crosswise	58.4	22.9	19.7	D
MP008878	Heat Sink, DC-DC, 1/8 High Flow Lengthwise	58.4	22.9	8.7	D
MP008879	Heat Sink, DC-DC, 1/8 High Flow Crosswise	58.4	22.9	8.7	D
MP008880	Heat Sink, DC-DC, 1/4 Low Flow Lengthwise	58.0	37.0	20.0	C
MP008881	Heat Sink, DC-DC, 1/4 Low Flow Crosswise	58.0	37.0	20.0	C
MP008882	Heat Sink, DC-DC, 1/4 High Flow Lengthwise	58.0	37.0	11.0	C
MP008883	Heat Sink, DC-DC, 1/4 High Flow Crosswise	58.0	37.0	11.0	C
MP008884	Heat Sink, DC-DC, 1/2 Low Flow Lengthwise	61.0	57.9	17.3	B
MP008885	Heat Sink, DC-DC, 1/2 Low Flow Crosswise	61.0	57.9	17.3	B
MP008886	Heat Sink, DC-DC, 1/2 High Flow Lengthwise	61.0	57.9	9.3	B
MP008887	Heat Sink, DC-DC, 1/2 High Flow Crosswise	61.0	57.9	9.3	B
MP008888	Heat Sink, DC-DC, Full Low Flow Lengthwise	116.8	61.0	18.2	A
MP008889	Heat Sink, DC-DC, Full Low Flow Crosswise	116.8	61.0	18.2	A
MP008890	Heat Sink, DC-DC, Full High Flow Lengthwise	116.8	61.0	12.2	A
MP008891	Heat Sink, DC-DC, Full High Flow Crosswise	116.8	61.0	12.2	A

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# Heat Sinks

## DC to DC

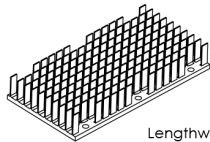
### Drawing

Drawing A: 1/1 Brick geometry

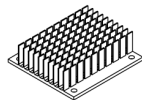
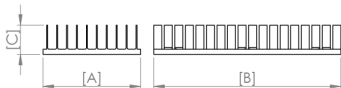
Drawing B: 1/2 Brick geometry

Drawing C: 1/4 Brick geometry

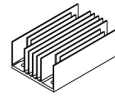
Drawing D: 1/8 Brick geometry



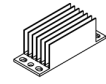
Lengthwise Fins



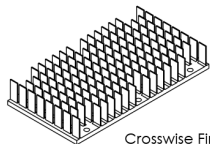
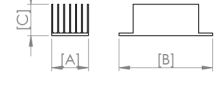
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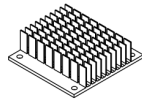
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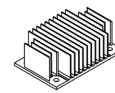
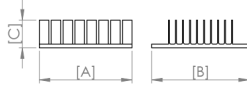
Lengthwise Fins



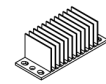
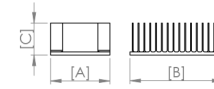
Crosswise Fins



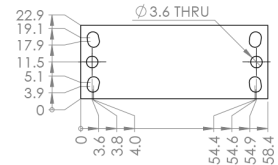
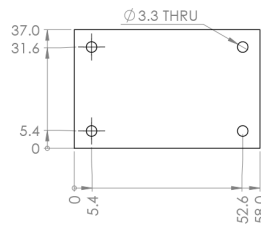
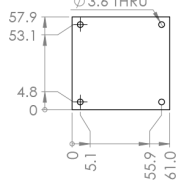
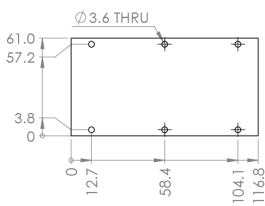
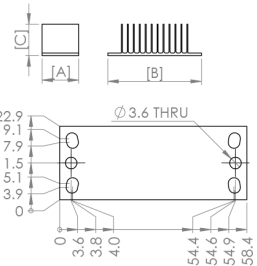
Crosswise Fins



Crosswise Fins



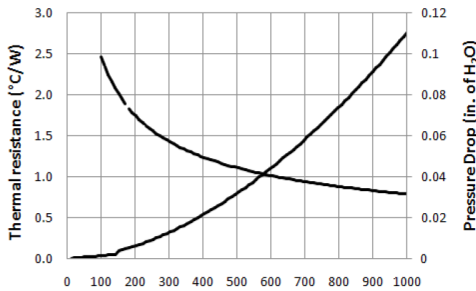
Crosswise Fins



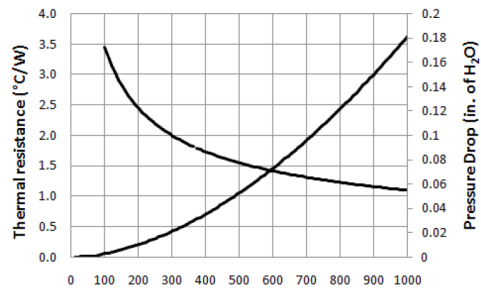
# Heat Sinks

## DC to DC

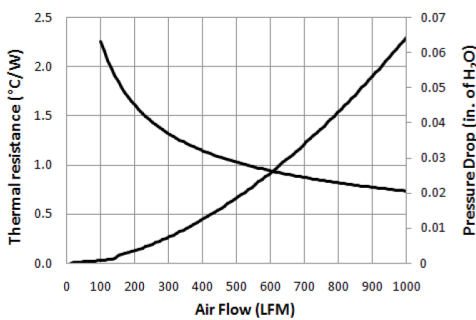
### Graphs



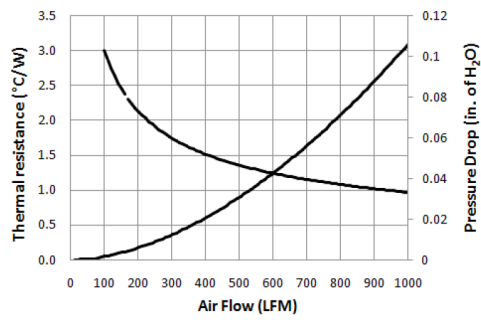
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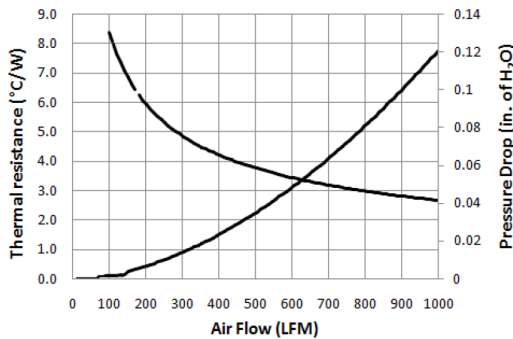
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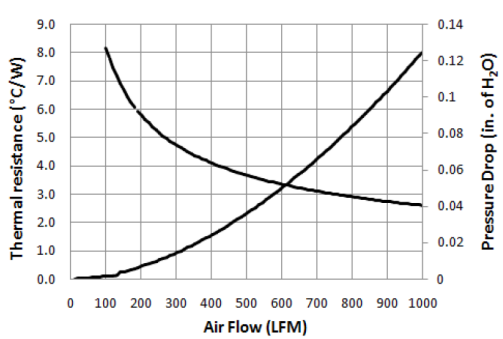
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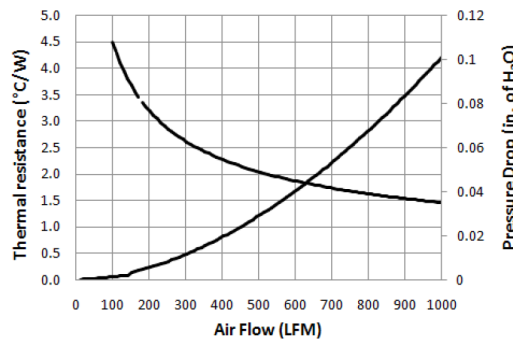
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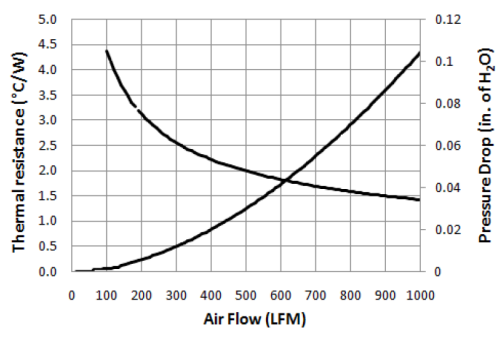
MP008880



MP008881



MP008882



MP008883

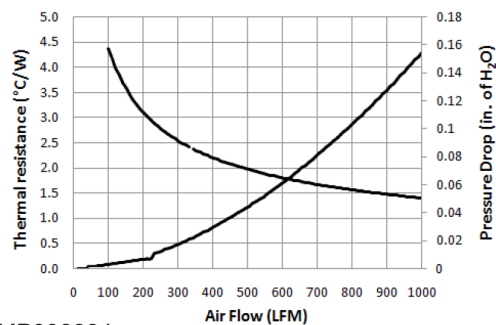
Dimensions : Millimetres

# Heat Sinks

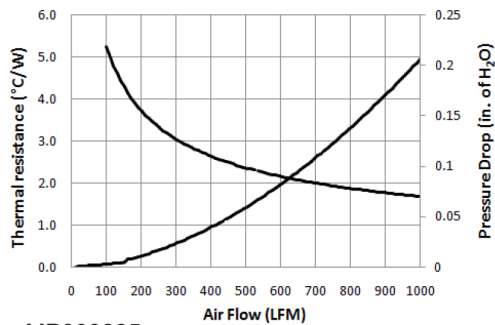
## DC to DC

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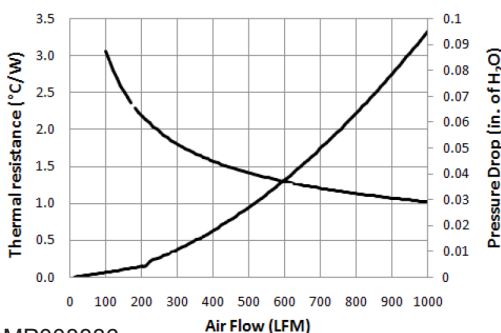
### Graphs



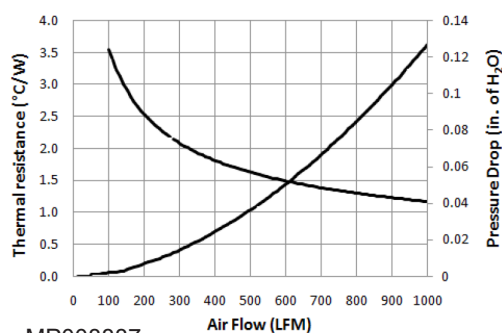
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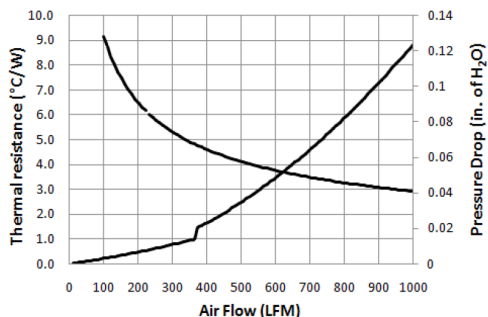
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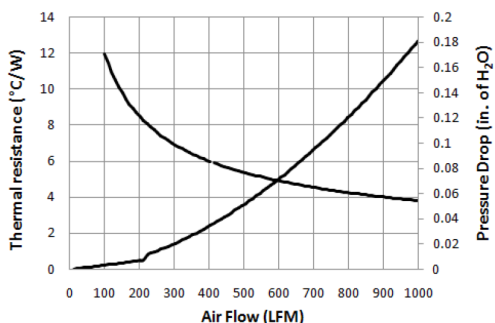
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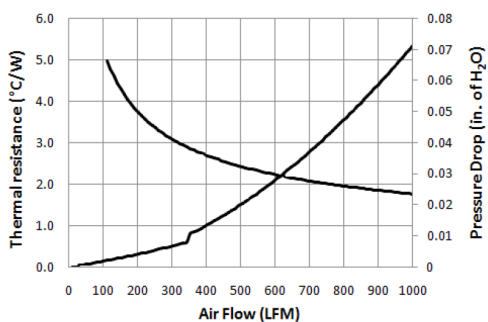
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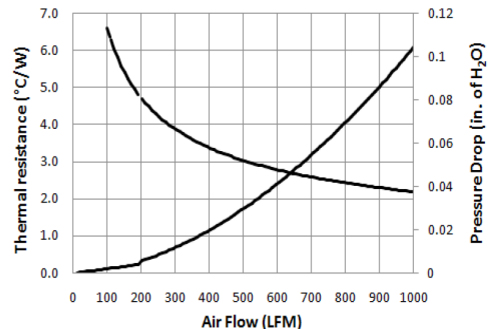
MP008888



MP008889



MP008890



MP008891

Dimensions : Millimetres

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### Part Number Table

Description	Part Number
Heat Sink, DC-DC, 1/8 Low Flow Lengthwise	MP008876
Heat Sink, DC-DC, 1/8 Low Flow Crosswise	MP008877
Heat Sink, DC-DC, 1/8 High Flow Lengthwise	MP008878
Heat Sink, DC-DC, 1/8 High Flow Crosswise	MP008879
Heat Sink, DC-DC, 1/4 Low Flow Lengthwise	MP008880
Heat Sink, DC-DC, 1/4 Low Flow Crosswise	MP008881
Heat Sink, DC-DC, 1/4 High Flow Lengthwise	MP008882
Heat Sink, DC-DC, 1/4 High Flow Crosswise	MP008883
Heat Sink, DC-DC, 1/2 Low Flow Lengthwise	MP008884
Heat Sink, DC-DC, 1/2 Low Flow Crosswise	MP008885
Heat Sink, DC-DC, 1/2 High Flow Lengthwise	MP008886
Heat Sink, DC-DC, 1/2 High Flow Crosswise	MP008887
Heat Sink, DC-DC, Full Low Flow Lengthwise	MP008888
Heat Sink, DC-DC, Full Low Flow Crosswise	MP008889
Heat Sink, DC-DC, Full High Flow Lengthwise	MP008890
Heat Sink, DC-DC, Full High Flow Crosswise	MP008891

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