# Heat Sinks
## Natural Convection

multicomp PRO

RoHS Compliant

### Features

- Cold-forged, ultra-high performance
- low thermal resistance
- suitable for low profile passive cooling

### Applications

- Suitable for use with a wide range of
- semi-conductor devices with flat surfaces.

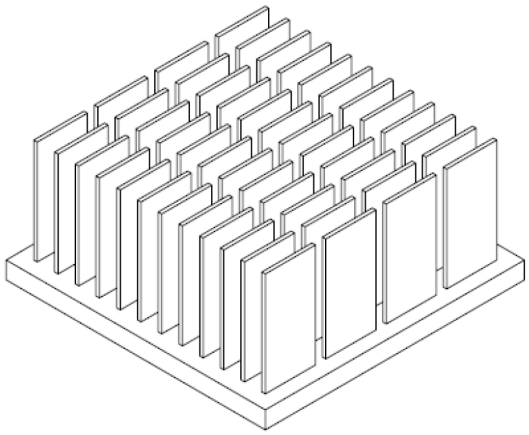
### Specification

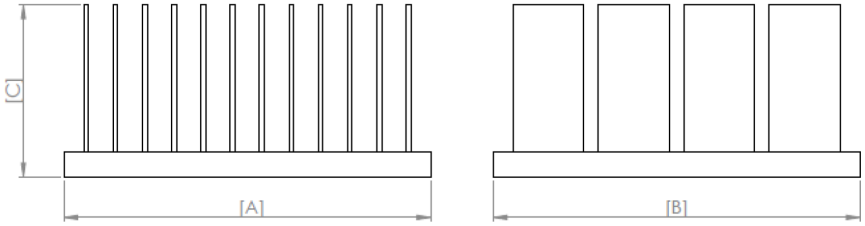
| Property | Units | Value |
|---|---|---|
| Material | N/A | Aluminium Al1100 |
| Colour | - | Black |
| Max working temperature | degC | 500 |
| Thermal resistance | degC/W | See graphs |
| Airflow | LFM | See graphs |
| Pressure drop | In. of $H_2O$ | See graphs |

### Part Number Table

| Part Number | Title | Length mm (A) | Width mm (B) | Height mm (C) |
|---|---|---|---|---|
| MP008864 | Heat Sink, Cold Forged, 19mm × 19mm × 6mm | 19 | 19 | 6 |
| MP008865 | Heat Sink, Cold Forged, 19mm × 19mm × 10mm | 19 | 19 | 10 |
| MP008866 | Heat Sink, Cold Forged, 25mm × 25mm × 7mm | 25 | 25 | 7 |
| MP008867 | Heat Sink, Cold Forged, 25mm × 25mm × 11mm | 25 | 25 | 11 |
| MP008868 | Heat Sink, Cold Forged, 30mm × 30mm × 8mm | 30 | 30 | 8 |
| MP008869 | Heat Sink, Cold Forged, 30mm × 30mm × 14mm | 35 | 35 | 9 |
| MP008870 | Heat Sink, Cold Forged, 35mm × 35mm × 9mm | 35 | 35 | 16 |
| MP008871 | Heat Sink, Cold Forged, 35mm × 35mm × 16mm | 40 | 40 | 9 |
| MP008872 | Heat Sink, Cold Forged, 40mm × 40mm × 9mm | 40 | 40 | 15 |
| MP008873 | Heat Sink, Cold Forged, 40mm × 40mm × 21mm | 40 | 40 | 21 |
| MP008874 | Heat Sink, Cold Forged, 45mm × 45mm × 11mm | 45 | 45 | 11 |
| MP008875 | Heat Sink, Cold Forged, 45mm × 45mm × 21mm | 45 | 45 | 21 |

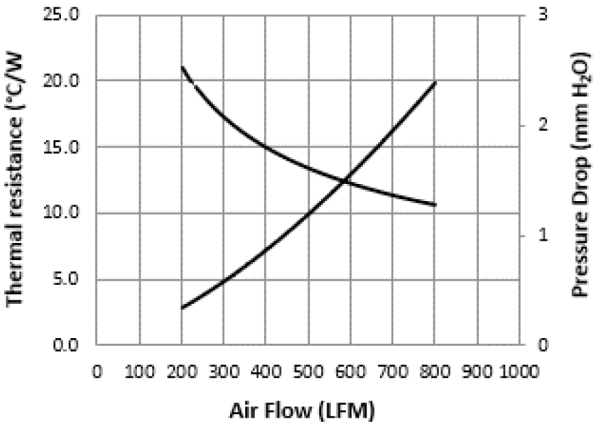
### Drawing



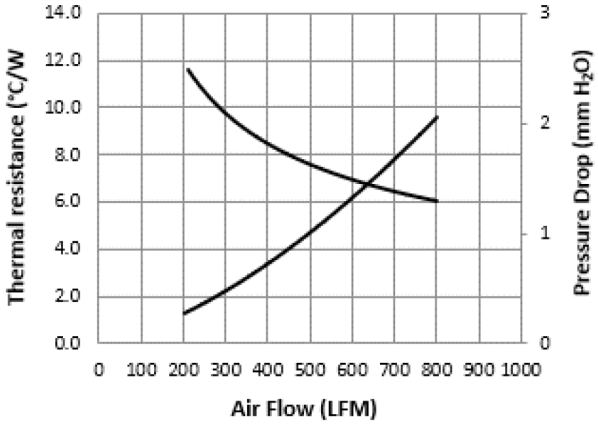



Base thickness is 2mm, fin thickness is 0.4mm and fin spacing is 2mm*.
Which has base thickness 3mm, fin thickness of 0.8 and spacing of 2.63mm.

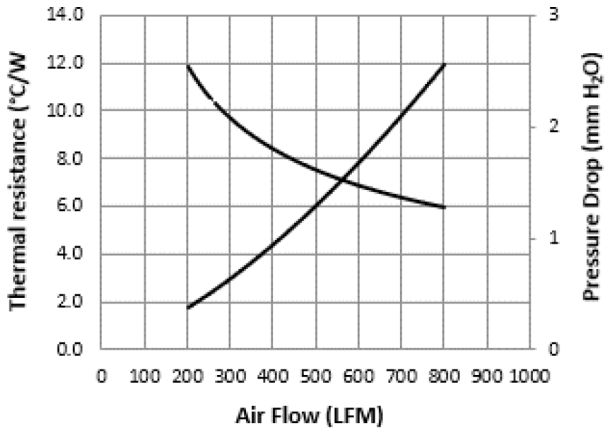
### Graphs



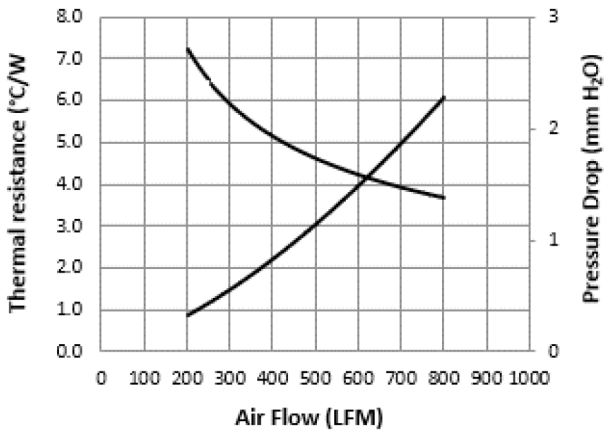

MP008864



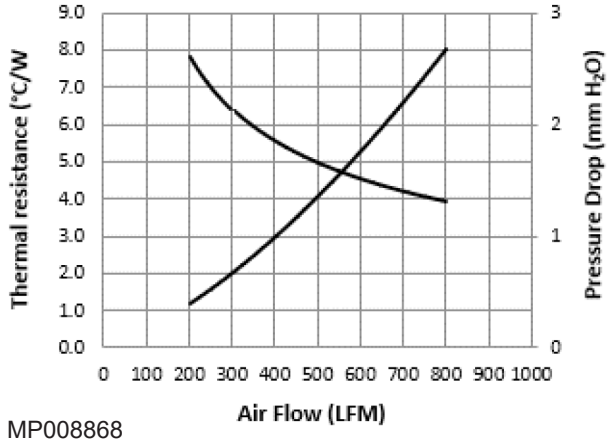

MP008865



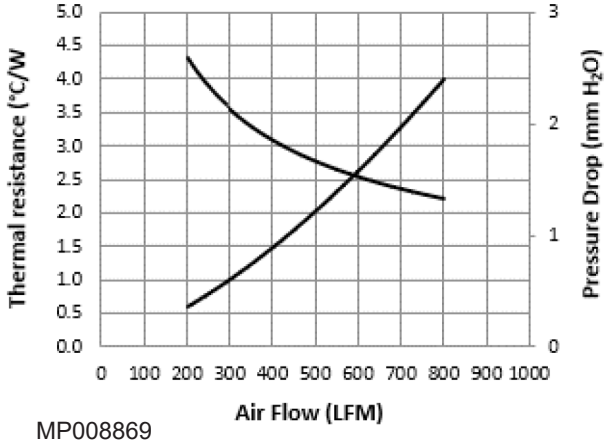

MP008866



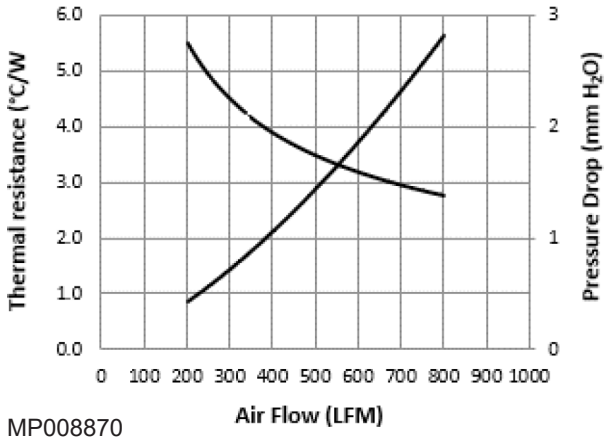

MP008867



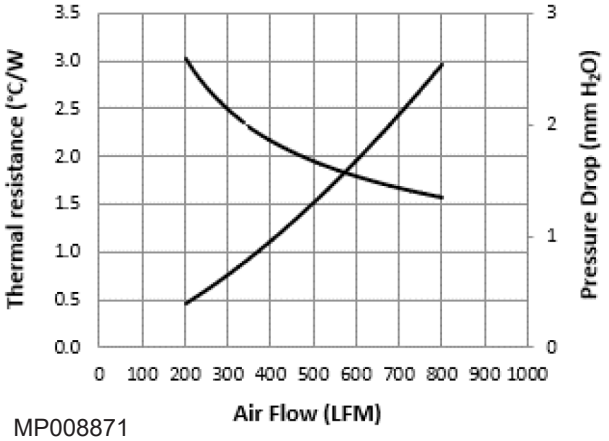

MP008868




MP008869

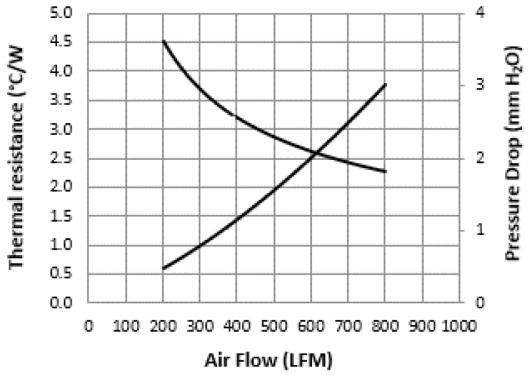



MP008870

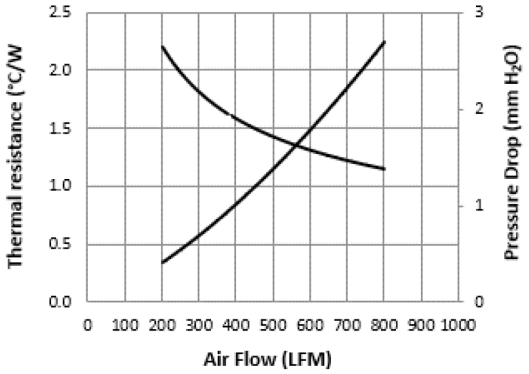



MP008871

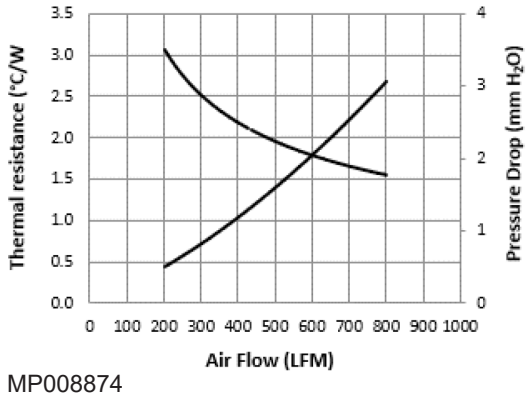
Dimensions : Millimetres



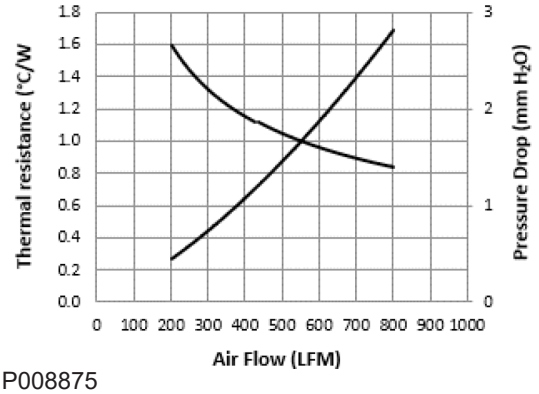

MP008872




MP008873




MP008874




MP008875

Dimensions : Millimetres

## Part Number Table

| Description | Part Number |
|---|---|
| Heat Sink, Cold Forged, 19mm × 19mm × 6mm | MP008864 |
| Heat Sink, Cold Forged, 19mm × 19mm × 10mm | MP008865 |
| Heat Sink, Cold Forged, 25mm × 25mm × 7mm | MP008866 |
| Heat Sink, Cold Forged, 25mm × 25mm × 11mm | MP008867 |
| Heat Sink, Cold Forged, 30mm × 30mm × 8mm | MP008868 |
| Heat Sink, Cold Forged, 30mm × 30mm × 14mm | MP008869 |
| Heat Sink, Cold Forged, 35mm × 35mm × 9mm | MP008870 |
| Heat Sink, Cold Forged, 35mm × 35mm × 16mm | MP008871 |
| Heat Sink, Cold Forged, 40mm × 40mm × 9mm | MP008872 |
| Heat Sink, Cold Forged, 40mm × 40mm × 21mm | MP008873 |
| Heat Sink, Cold Forged, 45mm × 45mm × 11mm | MP008874 |
| Heat Sink, Cold Forged, 45mm × 45mm × 21mm | MP008875 |