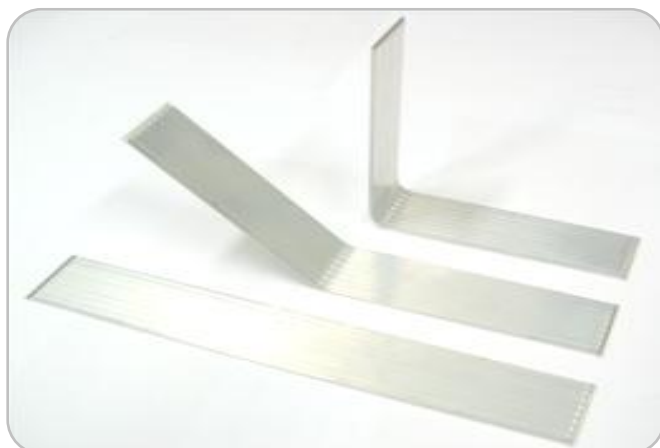


FLAT COOLPIPES

series: MHP



Features:

- Ultra-thin flat heat pipe (1.2~2.5mm)
- High thermal performance up to 300W
- Light weight
- Long Life up to 16 years
- Wide temperature range (-40~150°C)
- Custom lengths available (subject to MOQ)

Applications:

- CPU cooler, Memory Cooler, LED/LCD, EV battery etc

SPECIFICATION

ITEM	DESCRIPTION
Material	Aluminium 1070
Wick Structure	Groove
Working Fluid	Acetone
Operating Inclination	0~90°
Leak Temperature	160°C
Life-time (-40~100 °C)	16 years

STANDARD SIZES AND THERMAL PERFORMANCE

Part Number	Thickness (mm)	Width (mm)	Length (mm)	Max Heat transfer Rate (Watt)*	Technical Data Sheet
MHP-1220A-100A	1.2	20	100	5~18	PDF
MHP-1220A-150A	1.2	20	150	5~18	PDF
MHP-1220A-200A	1.2	20	200	5~18	PDF
MHP-1630A-100A	1.6	30	100	11~50	PDF
MHP-1630A-150A	1.6	30	150	11~50	PDF
MHP-1630A-200A	1.6	30	200	11~50	PDF
MHP-1630A-250A	1.6	30	250	11~50	PDF
MHP-1630A-300A	1.6	30	300	11~50	PDF
MHP-2040A-100A	2.0	40	100	40~170	PDF
MHP-2040A-150A	2.0	40	150	40~170	PDF
MHP-2040A-200A	2.0	40	200	40~170	PDF
MHP-2040A-250A	2.0	40	250	40~170	PDF

*Figures are based on test conditions using 150mm length heat pipe.

ANNOTATION

All specifications shown herein are typical values and are not guaranteed. It is recommended to test in application for suitability.

Part Number	Thickness (mm)	Width (mm)	Length (mm)	Max Heat* Transfer (Watt)	Technical Data Sheet
MHP-2040A-300A	2.0	40	300	40~170	PDF
MHP-2040A-350A	2.0	40	350	40~170	PDF
MHP-2040A-400A	2.0	40	400	40~170	PDF
MHP-2550A-100A	2.5	50	100	75~300	PDF
MHP-2550A-150A	2.5	50	150	75~300	PDF
MHP-2550A-200A	2.5	50	200	75~300	PDF
MHP-2550A-250A	2.5	50	250	75~300	PDF
MHP-2550A-300A	2.5	50	300	75~300	PDF
MHP-2550A-350A	2.5	50	350	75~300	PDF
MHP-2550A-400A	2.5	50	400	75~300	PDF
MHP-2550A-450A	2.5	50	450	75~300	PDF
MHP-2550A-500A	2.5	50	500	75~300	PDF

* Based on our test conditions

For further product data, please refer to our new e-catalogue.

Contact our [sales team](#) for copy of the heat pipe or liquid acetone SDS document.

FAQs

How do you attach the heat pipe to the device that it needs to be attached to?

You can apply a TIM such as a thermal tape or thermal pad to the heat pipe. Alternatively, you can attach the heat pipe to the device using a metal clip.

What are standard lengths of the heat pipes?

Minimum length of each profile is 60mm with a maximum length of 500mm for larger profiles. Our standard stock lengths are multiples of 50mm (e.g. 100mm, 200mm etc). Other lengths will have MOQ of 100pcs.

Can you supply heat pipes bent?

We can supply heat pipes bent to your drawing, however this is subject to MOQ and tooling costs. We would suggest contacting our sales team for further information.

Can you supply other heat pipe profiles not listed on your website?

Other sizes/profiles can be provided but this is determined on a project basis.

Are your MHP heat pipes ROHS and REACH compliant?

Yes, they are compliant to the ROHS 3 and REACH SVHC standards.

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