

Sintered $\varnothing 4\text{mm}$ Heat Pipe

Straight Heat Pipe $\varnothing 4\text{mm}$, lg 150mm (evap. 30mm / cond. 60mm)

Dissipated power :

- 18W against gravity, R_{th} 0,5 to 0,9°C/W ($T^{\circ}cond = 50^{\circ}C$)
- 24W horizontal, R_{th} 0,5 to 0,8°C/W
- 32W vertical, R_{th} 0,5°C/W

Straight Heat Pipe $\varnothing 4\text{mm}$, lg 150mm, flattened to 3mm

(evap. 30mm / cond. 60mm)

Sintered after flattening

Dissipated power :

- 12W against gravity
- 16W horizontal
- 22W vertical

R_{th} 0,6 to 1°C/W

Straight Heat Pipe $\varnothing 4\text{mm}$, lg 150mm, flattened to 2mm

(evap. 30mm / cond. 60mm)

Sintered after flattening

Dissipated power :

- 8W against gravity
- 12W horizontal
- 14W vertical

R_{th} 0,7 to 1°C/W

Assembled system

By brazing, 2 HP

Sintered Heat Pipe, $\varnothing 4\text{mm}$, 10W each $R_{th} \approx 0,35^{\circ}C/W$ (per HP)

