

# Dual-Use Heat Pipes | Commercial & Defense

Copper | Sintered Wick | Water (methanol also available)

Heat Pipe																			
Thickness\Dia. (mm)	ø2	ø3	ø3	ø4	ø4	ø4	ø5	ø5	ø5	ø6	ø6	ø6	ø6	ø8	ø8	ø8	ø10	ø10	ø10
	Width (mm)																		
T=1.6	2.34	3.91	3.91	5.48	5.48	5.48	7.05	7.05	7.05	8.62	8.62	8.62	8.62	/	/	/	/	/	/
T=2.0	/	3.71	3.71	5.28	5.28	5.28	6.85	6.85	6.85	8.42	8.42	8.40	8.42	11.57	11.57	11.57	14.71	14.71	14.71
T=2.5	/	3.46	3.46	5.03	5.03	5.03	6.60	6.60	6.60	8.17	8.17	8.17	8.17	11.32	11.30	11.32	14.46	14.46	14.46
T=3.0	/	/	/	4.78	4.78	4.78	6.35	6.35	6.35	7.92	7.89	7.89	7.89	11.07	11.07	11.07	14.21	14.21	14.21
T=3.5	/	/	/	/	/	/	6.10	6.10	6.10	7.67	7.67	7.67	7.67	10.82	10.82	10.82	13.96	13.96	13.96
T=4.0	/	/	/	/	/	/	5.85	5.85	5.85	7.42	7.42	7.42	7.42	10.57	10.57	10.57	13.71	13.71	13.71
T=4.5	/	/	/	/	/	/	/	/	/	7.17	7.17	7.17	7.17	10.32	10.32	10.32	13.46	13.46	13.46
T=5.0	/	/	/	/	/	/	/	/	/	6.92	6.92	6.92	6.92	10.07	10.07	10.07	13.21	13.21	13.21
T=5.5	/	/	/	/	/	/	/	/	/	/	/	/	/	9.82	9.82	9.82	12.96	12.96	12.96
T=6.0	/	/	/	/	/	/	/	/	/	/	/	/	/	9.57	9.57	9.57	12.71	12.71	12.71
T=6.5	/	/	/	/	/	/	/	/	/	/	/	/	/	9.32	9.32	9.32	12.46	12.46	12.46
T=7.0	/	/	/	/	/	/	/	/	/	/	/	/	/	9.07	9.07	9.07	12.21	12.21	12.21
Wall Thickness	0.2	0.2	0.3	0.3	0.4	0.5	0.3	0.4	0.5	0.2	0.3	0.4	0.5	0.3	0.4	0.5	0.3	0.4	0.5
Bending Rmin	R9	R9	R9	R12	R12	R12	R15	R15	R15	R18	R18	R18	R18	R24	R24	R24	R30	R30	R30
Tolerance																			
Length	L±1.0mm																		
Thickness	±0.05mm																		
Blunt end length	Ref.7.0mm																		
Pinch-off Length	Ref. 13.0mm																		

## Specifications

- Length (L) ± 1.0 mm
- Width 1 Max (see diag), Width 2 (W2) ± 0.2mm
- Thickness (T1) ± 0.05 mm
- Pinch-off Length 13.0 mm
- Operating Temperature: 20 to 150 °C
- Non-operating Temperature: -40 to 1150 °C

## Additional Notes

- Secondary operations include bending and nickel plating
- Non-rectangular shapes acceptable but will lower performance figures
- 100% of parts are burned-in, helium leak tested, and checked for thermal performance & dimensions

