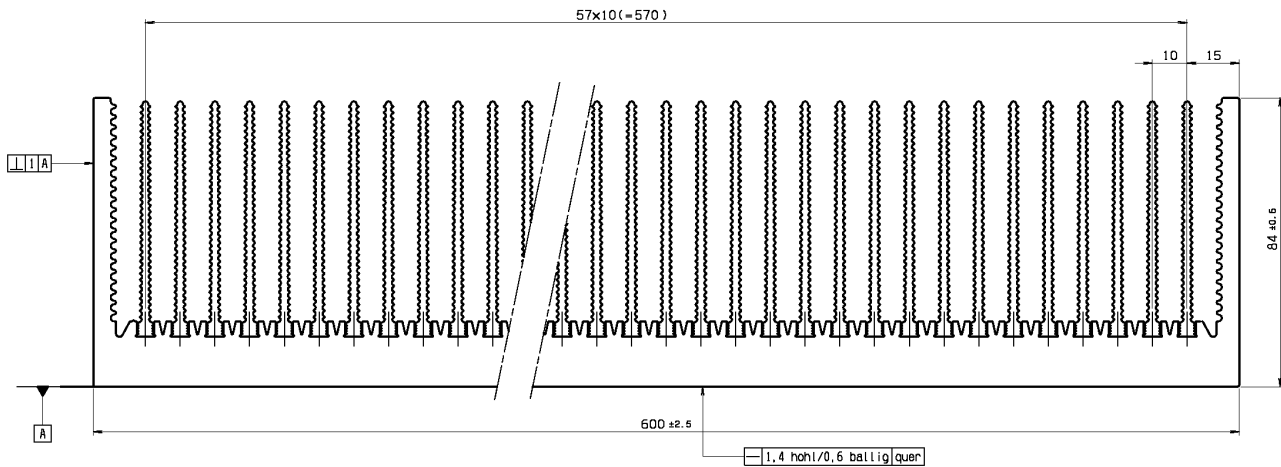


## High Performance Convection Heat Sink



Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
50 mm	2.7 kg	0.29 K/W	0.070 K/W
60 mm	3.2 kg	0.24 K/W	0.060 K/W
70 mm	3.7 kg	0.21 K/W	0.053 K/W
80 mm	4.3 kg	0.19 K/W	0.048 K/W
90 mm	4.8 kg	0.17 K/W	0.044 K/W
100 mm	5.3 kg	0.16 K/W	0.040 K/W
110 mm	5.9 kg	0.14 K/W	0.037 K/W
120 mm	6.4 kg	0.13 K/W	0.035 K/W
130 mm	6.9 kg	0.12 K/W	0.033 K/W
140 mm	7.4 kg	0.12 K/W	0.032 K/W
150 mm	8.0 kg	0.11 K/W	0.030 K/W
160 mm	8.5 kg	0.11 K/W	0.029 K/W
170 mm	9.0 kg	0.10 K/W	0.028 K/W
180 mm	9.6 kg	0.096 K/W	0.027 K/W
190 mm	10.1 kg	0.092 K/W	0.026 K/W
200 mm	10.6 kg	0.089 K/W	0.025 K/W
210 mm	11.2 kg	0.086 K/W	0.024 K/W
220 mm	11.7 kg	0.083 K/W	0.024 K/W

Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
230 mm	12.2 kg	0.080 K/W	0.023 K/W
240 mm	12.8 kg	0.078 K/W	0.023 K/W
250 mm	13.3 kg	0.076 K/W	0.022 K/W
275 mm	14.6 kg	0.071 K/W	0.021 K/W
300 mm	16.0 kg	0.067 K/W	0.020 K/W
325 mm	17.3 kg	0.063 K/W	0.019 K/W
350 mm	18.6 kg	0.060 K/W	0.019 K/W
375 mm	19.9 kg	0.058 K/W	0.018 K/W
400 mm	21.3 kg	0.056 K/W	0.017 K/W
425 mm	22.6 kg	0.054 K/W	0.017 K/W
450 mm	23.9 kg	0.052 K/W	0.017 K/W
475 mm	25.3 kg	0.050 K/W	0.016 K/W
500 mm	26.6 kg	0.049 K/W	0.016 K/W
550 mm	29.3 kg	0.046 K/W	0.015 K/W
600 mm	31.9 kg	0.044 K/W	0.015 K/W
650 mm	34.6 kg	0.043 K/W	0.015 K/W
700 mm	37.2 kg	0.041 K/W	0.014 K/W
750 mm	39.9 kg	0.040 K/W	0.014 K/W

The values for the thermal resistance above are valid for full sized isothermal heating. Using small sized single spotted heat sources increases the thermal resistance depending on size, number and orientation of the heat sources.