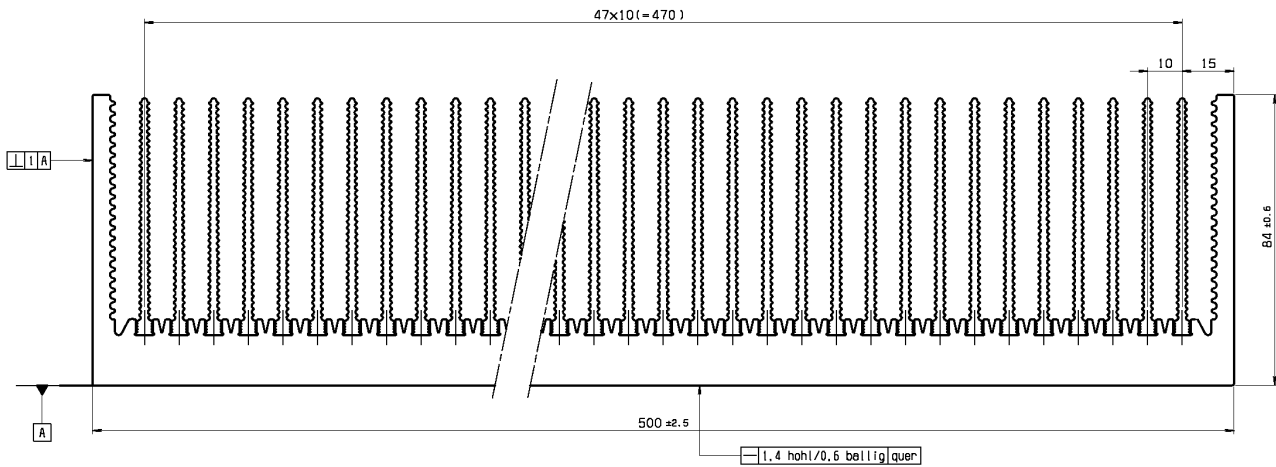


## High Performance Convection Heat Sink



Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
50 mm	2.2 kg	0.35 K/W	0.084 K/W
60 mm	2.7 kg	0.29 K/W	0.072 K/W
70 mm	3.1 kg	0.26 K/W	0.063 K/W
80 mm	3.6 kg	0.23 K/W	0.057 K/W
90 mm	4.0 kg	0.20 K/W	0.052 K/W
100 mm	4.5 kg	0.19 K/W	0.048 K/W
110 mm	4.9 kg	0.17 K/W	0.045 K/W
120 mm	5.3 kg	0.16 K/W	0.042 K/W
130 mm	5.8 kg	0.15 K/W	0.040 K/W
140 mm	6.2 kg	0.14 K/W	0.038 K/W
150 mm	6.7 kg	0.13 K/W	0.036 K/W
160 mm	7.1 kg	0.13 K/W	0.035 K/W
170 mm	7.6 kg	0.12 K/W	0.033 K/W
180 mm	8.0 kg	0.12 K/W	0.032 K/W
190 mm	8.5 kg	0.11 K/W	0.031 K/W
200 mm	8.9 kg	0.11 K/W	0.030 K/W
210 mm	9.4 kg	0.10 K/W	0.029 K/W
220 mm	9.8 kg	0.099 K/W	0.029 K/W

Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
230 mm	10.2 kg	0.096 K/W	0.028 K/W
240 mm	10.7 kg	0.093 K/W	0.027 K/W
250 mm	11.1 kg	0.091 K/W	0.027 K/W
275 mm	12.2 kg	0.085 K/W	0.025 K/W
300 mm	13.4 kg	0.080 K/W	0.024 K/W
325 mm	14.5 kg	0.076 K/W	0.023 K/W
350 mm	15.6 kg	0.072 K/W	0.023 K/W
375 mm	16.7 kg	0.069 K/W	0.022 K/W
400 mm	17.8 kg	0.067 K/W	0.021 K/W
425 mm	18.9 kg	0.064 K/W	0.021 K/W
450 mm	20.0 kg	0.062 K/W	0.020 K/W
475 mm	21.2 kg	0.060 K/W	0.020 K/W
500 mm	22.3 kg	0.059 K/W	0.019 K/W
550 mm	24.5 kg	0.056 K/W	0.019 K/W
600 mm	26.7 kg	0.053 K/W	0.018 K/W
650 mm	28.9 kg	0.051 K/W	0.018 K/W
700 mm	31.2 kg	0.049 K/W	0.017 K/W
750 mm	33.4 kg	0.048 K/W	0.017 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.