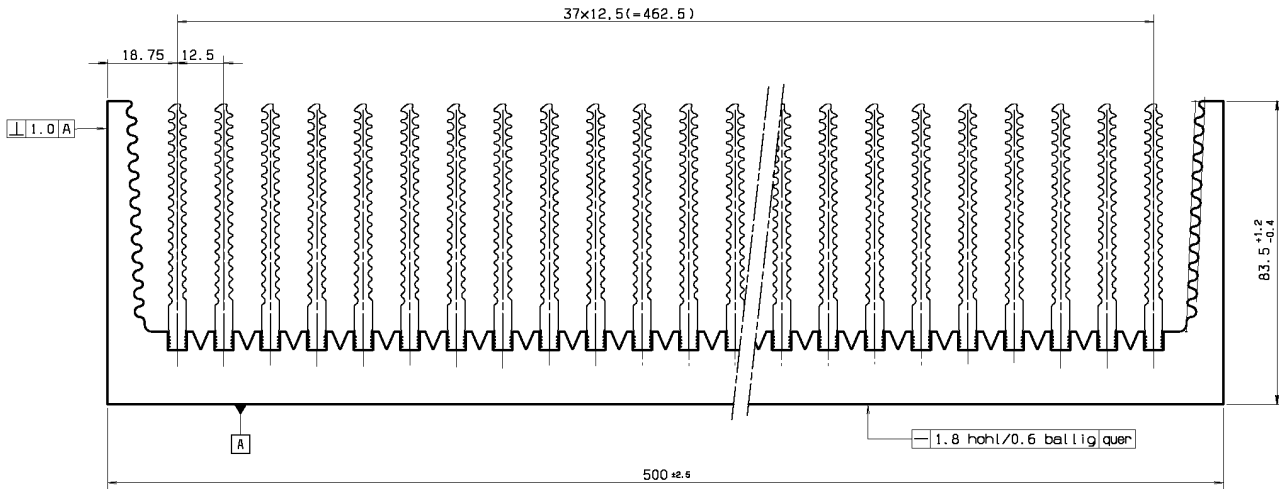


High Performance Convection Heat Sink



Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
50 mm	2.5 kg	0.34 K/W	0.096 K/W
60 mm	3.0 kg	0.29 K/W	0.081 K/W
70 mm	3.5 kg	0.25 K/W	0.070 K/W
80 mm	4.0 kg	0.23 K/W	0.061 K/W
90 mm	4.6 kg	0.21 K/W	0.055 K/W
100 mm	5.1 kg	0.19 K/W	0.050 K/W
110 mm	5.6 kg	0.18 K/W	0.046 K/W
120 mm	6.1 kg	0.17 K/W	0.042 K/W
130 mm	6.6 kg	0.16 K/W	0.039 K/W
140 mm	7.1 kg	0.15 K/W	0.037 K/W
150 mm	7.6 kg	0.14 K/W	0.035 K/W
160 mm	8.1 kg	0.14 K/W	0.033 K/W
170 mm	8.6 kg	0.13 K/W	0.031 K/W
180 mm	9.1 kg	0.13 K/W	0.029 K/W
190 mm	9.6 kg	0.12 K/W	0.028 K/W
200 mm	10.1 kg	0.12 K/W	0.027 K/W
210 mm	10.6 kg	0.11 K/W	0.026 K/W
220 mm	11.1 kg	0.11 K/W	0.025 K/W

Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
230 mm	11.6 kg	0.11 K/W	0.024 K/W
240 mm	12.1 kg	0.11 K/W	0.023 K/W
250 mm	12.6 kg	0.10 K/W	0.022 K/W
275 mm	13.9 kg	0.098 K/W	0.021 K/W
300 mm	15.2 kg	0.093 K/W	0.019 K/W
325 mm	16.4 kg	0.089 K/W	0.018 K/W
350 mm	17.7 kg	0.086 K/W	0.017 K/W
375 mm	19.0 kg	0.083 K/W	0.016 K/W
400 mm	20.2 kg	0.081 K/W	0.015 K/W
425 mm	21.5 kg	0.079 K/W	0.015 K/W
450 mm	22.8 kg	0.077 K/W	0.014 K/W
475 mm	24.0 kg	0.075 K/W	0.014 K/W
500 mm	25.3 kg	0.074 K/W	0.013 K/W
550 mm	27.8 kg	0.071 K/W	0.012 K/W
600 mm	30.4 kg	0.069 K/W	0.012 K/W
650 mm	32.9 kg	0.067 K/W	0.011 K/W
700 mm	35.4 kg	0.065 K/W	0.010 K/W
750 mm	37.9 kg	0.064 K/W	0.0100 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.