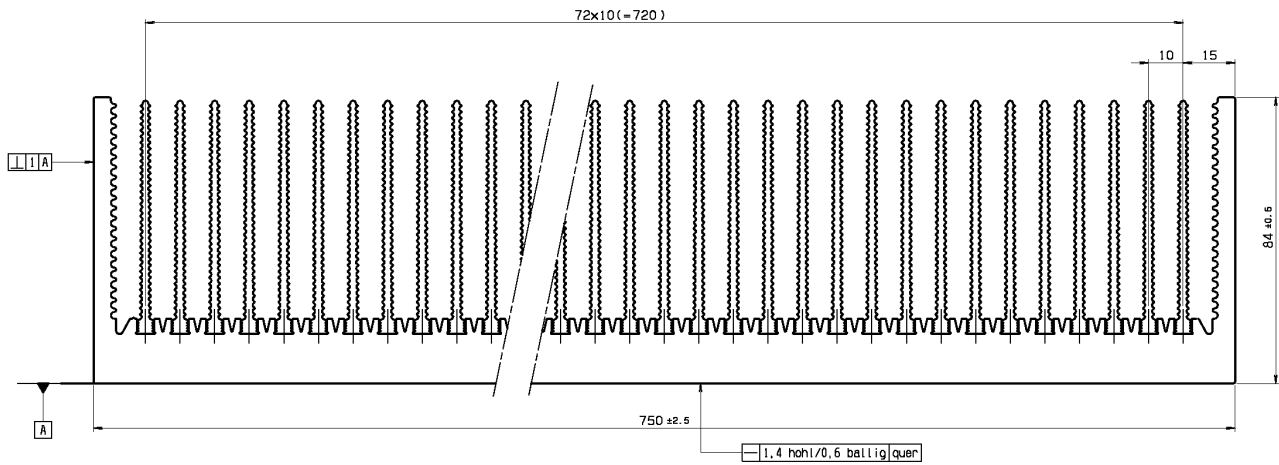


## High Performance Convection Heat Sink



Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
50 mm	3.3 kg	0.23 K/W	0.057 K/W
60 mm	4.0 kg	0.19 K/W	0.049 K/W
70 mm	4.6 kg	0.17 K/W	0.043 K/W
80 mm	5.3 kg	0.15 K/W	0.038 K/W
90 mm	6.0 kg	0.14 K/W	0.035 K/W
100 mm	6.6 kg	0.12 K/W	0.032 K/W
110 mm	7.3 kg	0.11 K/W	0.030 K/W
120 mm	7.9 kg	0.11 K/W	0.028 K/W
130 mm	8.6 kg	0.099 K/W	0.026 K/W
140 mm	9.3 kg	0.093 K/W	0.025 K/W
150 mm	9.9 kg	0.088 K/W	0.024 K/W
160 mm	10.6 kg	0.084 K/W	0.023 K/W
170 mm	11.3 kg	0.080 K/W	0.022 K/W
180 mm	11.9 kg	0.077 K/W	0.021 K/W
190 mm	12.6 kg	0.074 K/W	0.020 K/W
200 mm	13.2 kg	0.071 K/W	0.020 K/W
210 mm	13.9 kg	0.068 K/W	0.019 K/W
220 mm	14.6 kg	0.066 K/W	0.019 K/W

Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
230 mm	15.2 kg	0.064 K/W	0.018 K/W
240 mm	15.9 kg	0.062 K/W	0.018 K/W
250 mm	16.5 kg	0.060 K/W	0.017 K/W
275 mm	18.2 kg	0.056 K/W	0.016 K/W
300 mm	19.9 kg	0.053 K/W	0.016 K/W
325 mm	21.5 kg	0.050 K/W	0.015 K/W
350 mm	23.2 kg	0.048 K/W	0.015 K/W
375 mm	24.8 kg	0.046 K/W	0.014 K/W
400 mm	26.5 kg	0.044 K/W	0.014 K/W
425 mm	28.1 kg	0.043 K/W	0.013 K/W
450 mm	29.8 kg	0.041 K/W	0.013 K/W
475 mm	31.4 kg	0.040 K/W	0.013 K/W
500 mm	33.1 kg	0.039 K/W	0.012 K/W
550 mm	36.4 kg	0.037 K/W	0.012 K/W
600 mm	39.7 kg	0.036 K/W	0.012 K/W
650 mm	43.0 kg	0.034 K/W	0.011 K/W
700 mm	46.3 kg	0.033 K/W	0.011 K/W
750 mm	49.6 kg	0.032 K/W	0.011 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.