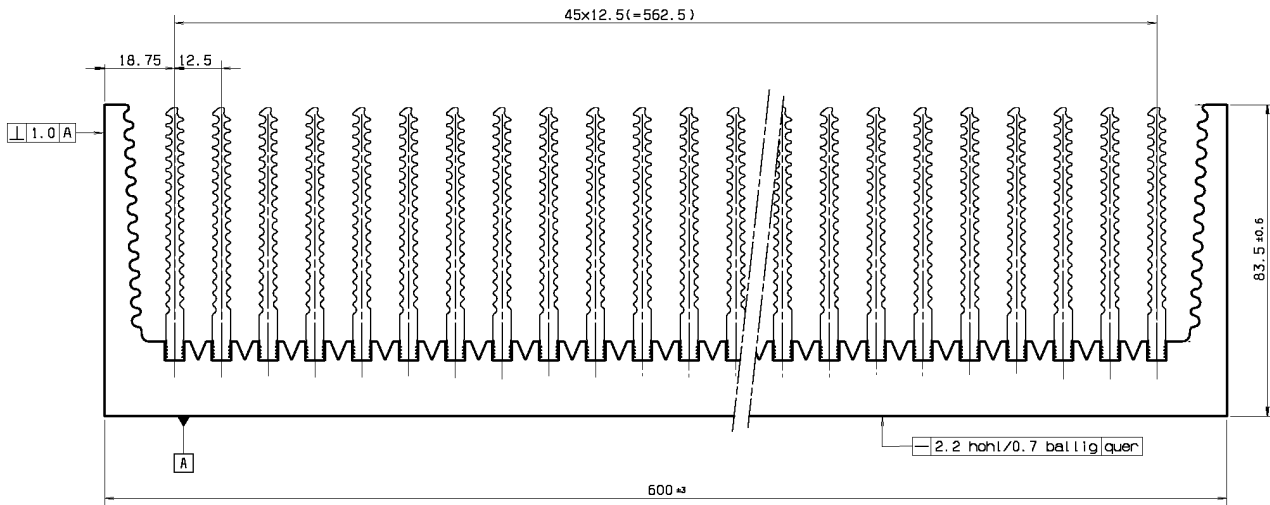


High Performance Convection Heat Sink



Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
50 mm	3.0 kg	0.28 K/W	0.080 K/W
60 mm	3.6 kg	0.24 K/W	0.067 K/W
70 mm	4.2 kg	0.21 K/W	0.058 K/W
80 mm	4.8 kg	0.19 K/W	0.051 K/W
90 mm	5.4 kg	0.17 K/W	0.046 K/W
100 mm	6.0 kg	0.16 K/W	0.042 K/W
110 mm	6.6 kg	0.15 K/W	0.038 K/W
120 mm	7.2 kg	0.14 K/W	0.035 K/W
130 mm	7.8 kg	0.13 K/W	0.033 K/W
140 mm	8.4 kg	0.13 K/W	0.031 K/W
150 mm	9.0 kg	0.12 K/W	0.029 K/W
160 mm	9.6 kg	0.11 K/W	0.027 K/W
170 mm	10.2 kg	0.11 K/W	0.026 K/W
180 mm	10.8 kg	0.11 K/W	0.025 K/W
190 mm	11.4 kg	0.10 K/W	0.024 K/W
200 mm	12.0 kg	0.099 K/W	0.023 K/W
210 mm	12.6 kg	0.096 K/W	0.022 K/W
220 mm	13.2 kg	0.094 K/W	0.021 K/W

Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
230 mm	13.8 kg	0.091 K/W	0.020 K/W
240 mm	14.4 kg	0.089 K/W	0.020 K/W
250 mm	15.1 kg	0.087 K/W	0.019 K/W
275 mm	16.6 kg	0.083 K/W	0.018 K/W
300 mm	18.1 kg	0.079 K/W	0.016 K/W
325 mm	19.6 kg	0.076 K/W	0.015 K/W
350 mm	21.1 kg	0.073 K/W	0.015 K/W
375 mm	22.6 kg	0.071 K/W	0.014 K/W
400 mm	24.1 kg	0.069 K/W	0.013 K/W
425 mm	25.6 kg	0.067 K/W	0.013 K/W
450 mm	27.1 kg	0.065 K/W	0.012 K/W
475 mm	28.6 kg	0.064 K/W	0.012 K/W
500 mm	30.1 kg	0.063 K/W	0.011 K/W
550 mm	33.1 kg	0.060 K/W	0.011 K/W
600 mm	36.1 kg	0.059 K/W	0.010 K/W
650 mm	39.1 kg	0.057 K/W	0.0095 K/W
700 mm	42.1 kg	0.056 K/W	0.0091 K/W
750 mm	45.2 kg	0.055 K/W	0.0088 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.