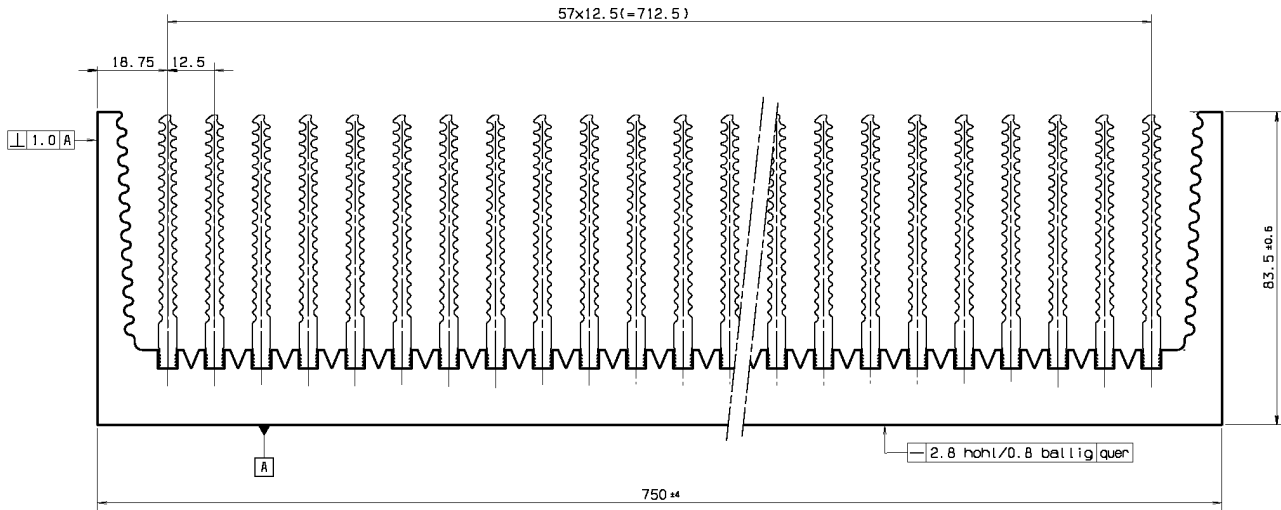


## High Performance Convection Heat Sink



Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
50 mm	3.8 kg	0.22 K/W	0.065 K/W
60 mm	4.5 kg	0.19 K/W	0.055 K/W
70 mm	5.3 kg	0.17 K/W	0.047 K/W
80 mm	6.0 kg	0.15 K/W	0.042 K/W
90 mm	6.8 kg	0.14 K/W	0.037 K/W
100 mm	7.5 kg	0.12 K/W	0.034 K/W
110 mm	8.3 kg	0.12 K/W	0.031 K/W
120 mm	9.0 kg	0.11 K/W	0.029 K/W
130 mm	9.8 kg	0.10 K/W	0.027 K/W
140 mm	10.5 kg	0.098 K/W	0.025 K/W
150 mm	11.3 kg	0.094 K/W	0.023 K/W
160 mm	12.0 kg	0.090 K/W	0.022 K/W
170 mm	12.8 kg	0.086 K/W	0.021 K/W
180 mm	13.5 kg	0.083 K/W	0.020 K/W
190 mm	14.3 kg	0.081 K/W	0.019 K/W
200 mm	15.0 kg	0.078 K/W	0.018 K/W
210 mm	15.8 kg	0.076 K/W	0.017 K/W
220 mm	16.5 kg	0.074 K/W	0.017 K/W

Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
230 mm	17.3 kg	0.072 K/W	0.016 K/W
240 mm	18.0 kg	0.070 K/W	0.016 K/W
250 mm	18.8 kg	0.069 K/W	0.015 K/W
275 mm	20.7 kg	0.065 K/W	0.014 K/W
300 mm	22.5 kg	0.062 K/W	0.013 K/W
325 mm	24.4 kg	0.060 K/W	0.012 K/W
350 mm	26.3 kg	0.058 K/W	0.012 K/W
375 mm	28.2 kg	0.056 K/W	0.011 K/W
400 mm	30.0 kg	0.055 K/W	0.010 K/W
425 mm	31.9 kg	0.053 K/W	0.0099 K/W
450 mm	33.8 kg	0.052 K/W	0.0095 K/W
475 mm	35.7 kg	0.051 K/W	0.0092 K/W
500 mm	37.5 kg	0.050 K/W	0.0088 K/W
550 mm	41.3 kg	0.048 K/W	0.0083 K/W
600 mm	45.1 kg	0.047 K/W	0.0078 K/W
650 mm	48.8 kg	0.046 K/W	0.0074 K/W
700 mm	52.6 kg	0.045 K/W	0.0071 K/W
750 mm	56.3 kg	0.044 K/W	0.0068 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.