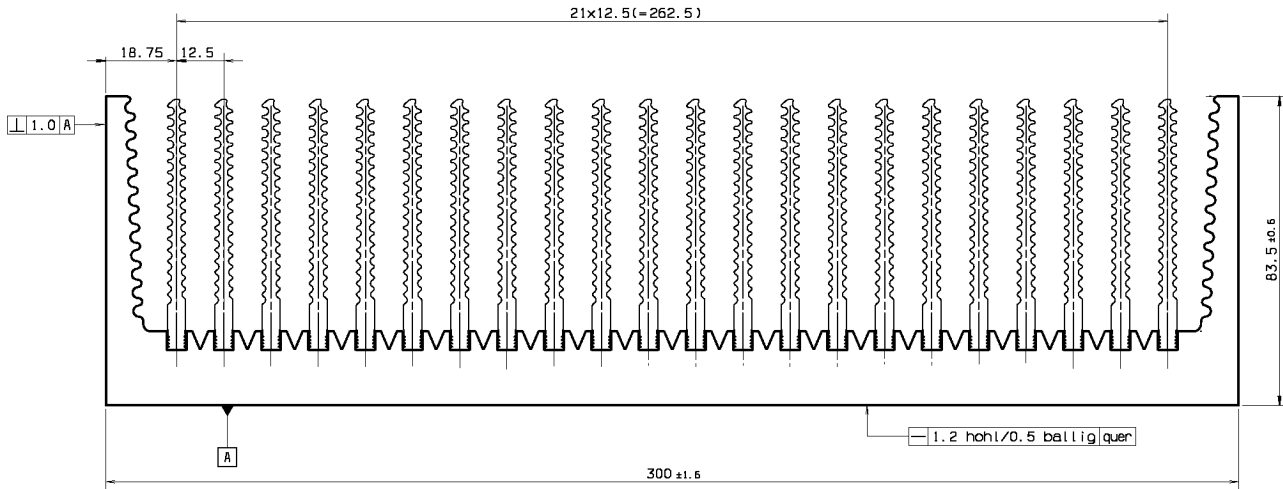


## High Performance Convection Heat Sink



Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
50 mm	1.5 kg	0.53 K/W	0.16 K/W
60 mm	1.9 kg	0.45 K/W	0.13 K/W
70 mm	2.2 kg	0.40 K/W	0.11 K/W
80 mm	2.5 kg	0.36 K/W	0.10 K/W
90 mm	2.8 kg	0.33 K/W	0.090 K/W
100 mm	3.1 kg	0.30 K/W	0.082 K/W
110 mm	3.4 kg	0.28 K/W	0.075 K/W
120 mm	3.7 kg	0.26 K/W	0.069 K/W
130 mm	4.0 kg	0.25 K/W	0.065 K/W
140 mm	4.3 kg	0.24 K/W	0.061 K/W
150 mm	4.7 kg	0.23 K/W	0.057 K/W
160 mm	5.0 kg	0.22 K/W	0.054 K/W
170 mm	5.3 kg	0.21 K/W	0.051 K/W
180 mm	5.6 kg	0.20 K/W	0.049 K/W
190 mm	5.9 kg	0.19 K/W	0.047 K/W
200 mm	6.2 kg	0.19 K/W	0.045 K/W
210 mm	6.5 kg	0.18 K/W	0.043 K/W
220 mm	6.8 kg	0.18 K/W	0.041 K/W

Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
230 mm	7.1 kg	0.17 K/W	0.040 K/W
240 mm	7.4 kg	0.17 K/W	0.039 K/W
250 mm	7.8 kg	0.17 K/W	0.037 K/W
275 mm	8.5 kg	0.16 K/W	0.035 K/W
300 mm	9.3 kg	0.15 K/W	0.032 K/W
325 mm	10.1 kg	0.14 K/W	0.030 K/W
350 mm	10.9 kg	0.14 K/W	0.029 K/W
375 mm	11.6 kg	0.14 K/W	0.027 K/W
400 mm	12.4 kg	0.13 K/W	0.026 K/W
425 mm	13.2 kg	0.13 K/W	0.025 K/W
450 mm	13.9 kg	0.13 K/W	0.024 K/W
475 mm	14.7 kg	0.12 K/W	0.023 K/W
500 mm	15.5 kg	0.12 K/W	0.022 K/W
550 mm	17.0 kg	0.12 K/W	0.021 K/W
600 mm	18.6 kg	0.11 K/W	0.020 K/W
650 mm	20.1 kg	0.11 K/W	0.019 K/W
700 mm	21.7 kg	0.11 K/W	0.018 K/W
750 mm	23.2 kg	0.11 K/W	0.018 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.