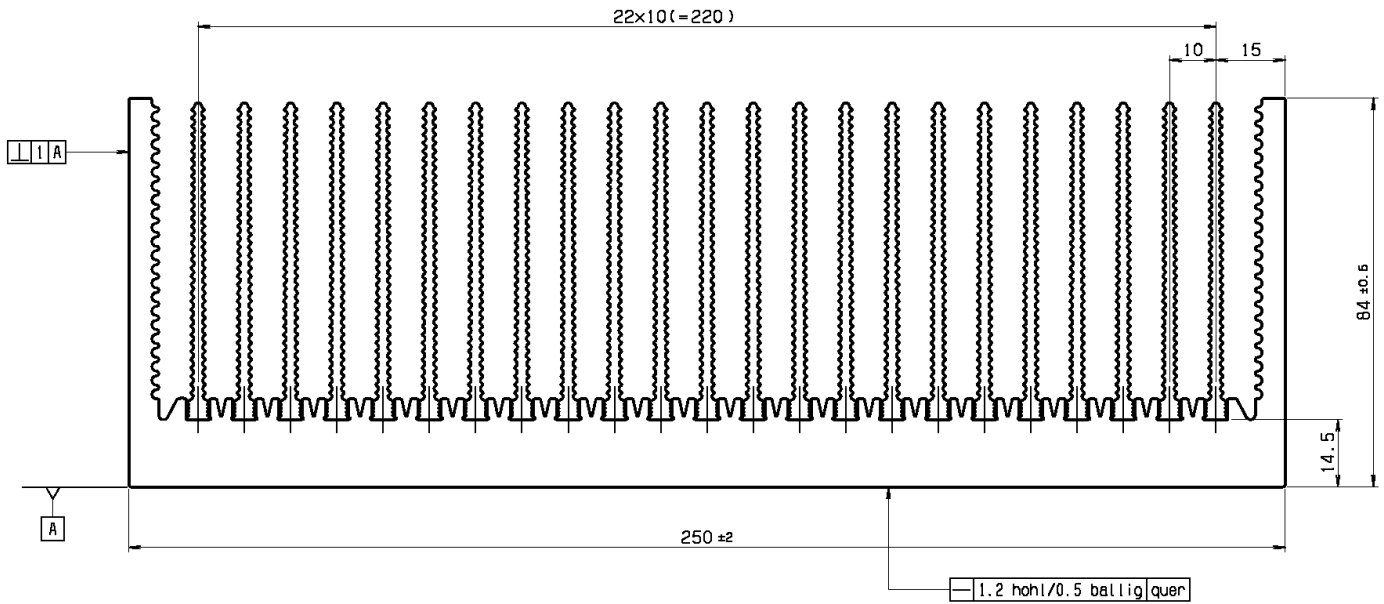


HPHS-C-250/84/10

High Performance Convection Heat Sink



Length	Mass	Thermal Resistance		Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow			free convection	5 m/s air flow
50 mm	1.1 kg	0.63 K/W	0.17 K/W	230 mm	5.3 kg	0.17 K/W	0.058 K/W
60 mm	1.4 kg	0.53 K/W	0.14 K/W	240 mm	5.5 kg	0.17 K/W	0.057 K/W
70 mm	1.6 kg	0.46 K/W	0.13 K/W	250 mm	5.7 kg	0.16 K/W	0.056 K/W
80 mm	1.8 kg	0.41 K/W	0.11 K/W	275 mm	6.3 kg	0.15 K/W	0.053 K/W
90 mm	2.1 kg	0.37 K/W	0.10 K/W	300 mm	6.9 kg	0.15 K/W	0.051 K/W
100 mm	2.3 kg	0.34 K/W	0.097 K/W	325 mm	7.4 kg	0.14 K/W	0.049 K/W
110 mm	2.5 kg	0.31 K/W	0.091 K/W	350 mm	8.0 kg	0.13 K/W	0.048 K/W
120 mm	2.7 kg	0.29 K/W	0.086 K/W	375 mm	8.6 kg	0.13 K/W	0.047 K/W
130 mm	3.0 kg	0.27 K/W	0.081 K/W	400 mm	9.1 kg	0.12 K/W	0.045 K/W
140 mm	3.2 kg	0.26 K/W	0.077 K/W	425 mm	9.7 kg	0.12 K/W	0.044 K/W
150 mm	3.4 kg	0.24 K/W	0.074 K/W	450 mm	10.3 kg	0.11 K/W	0.043 K/W
160 mm	3.7 kg	0.23 K/W	0.071 K/W	475 mm	10.9 kg	0.11 K/W	0.043 K/W
170 mm	3.9 kg	0.22 K/W	0.069 K/W	500 mm	11.4 kg	0.11 K/W	0.042 K/W
180 mm	4.1 kg	0.21 K/W	0.066 K/W	550 mm	12.6 kg	0.10 K/W	0.041 K/W
190 mm	4.3 kg	0.20 K/W	0.064 K/W	600 mm	13.7 kg	0.097 K/W	0.040 K/W
200 mm	4.6 kg	0.19 K/W	0.063 K/W	650 mm	14.9 kg	0.093 K/W	0.039 K/W
210 mm	4.8 kg	0.19 K/W	0.061 K/W	700 mm	16.0 kg	0.090 K/W	0.038 K/W
220 mm	5.0 kg	0.18 K/W	0.059 K/W	750 mm	17.1 kg	0.087 K/W	0.037 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.

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