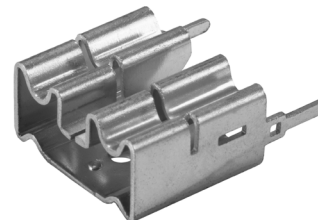


MODEL: HSS12-B20-P95 | DESCRIPTION: HEAT SINK

FEATURES

- TO-220 package
- solder pin
- aluminum alloy
- black anodized finish



MODEL

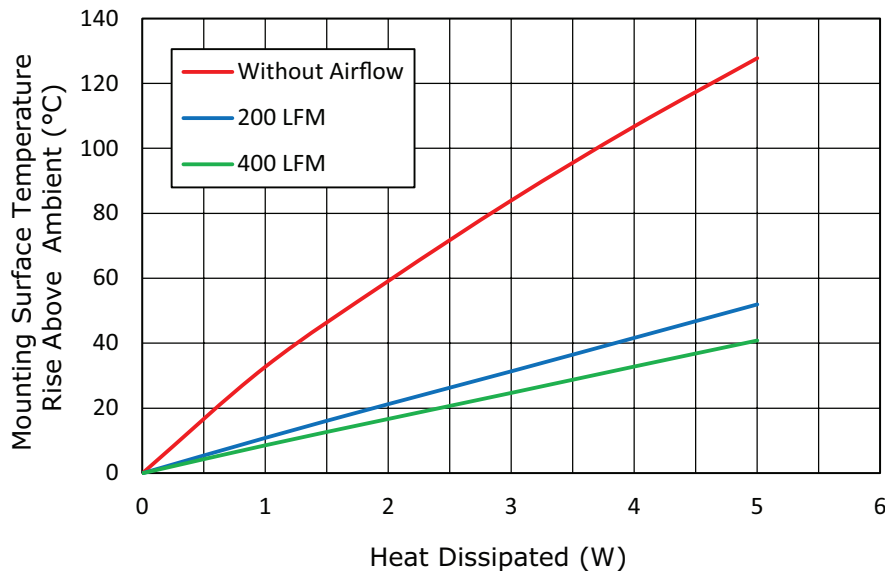
MODEL	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conv (W)
HSS12-B20-P95	27.37	32.8	10.9	8.6	2.74

Note: 1. See performance curves for full thermal resistance details.

PERFORMANCE CURVES

Power (W)	Heatsink Temperature Rise Above Ambient ($\Delta T = T_{hs} - T_a$) (°C)		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	32.8	10.9	8.6
2	59.2	21.3	16.7
3	84.0	31.4	24.7
4	106.8	41.7	32.8
5	127.8	52.0	40.8

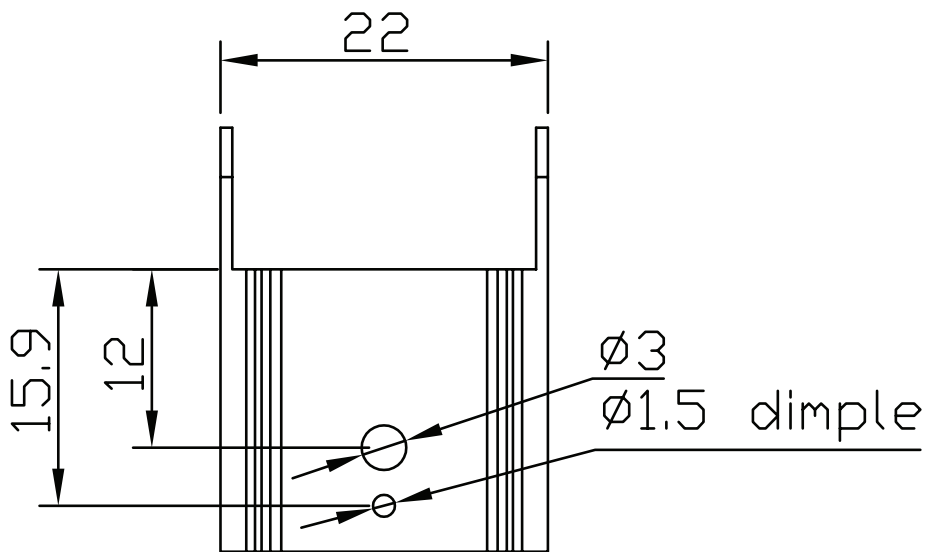
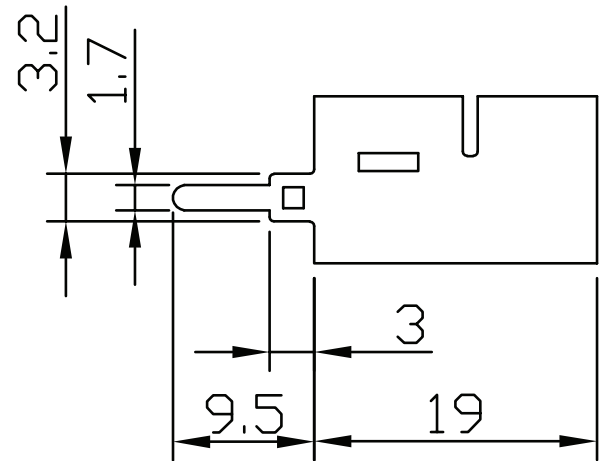
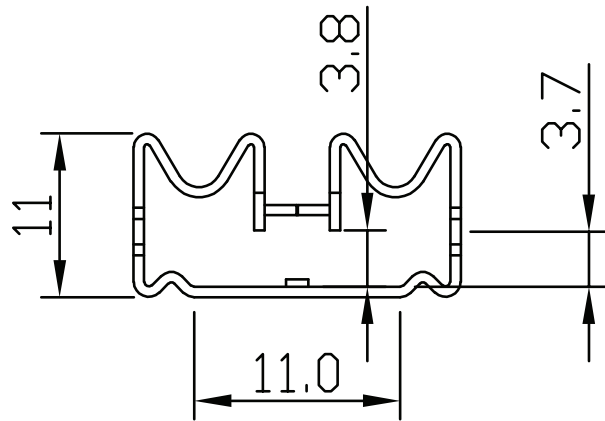
T_{hs} : "hot spot" temperature measured on the heatsink
 T_a : ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.25 mm

MATERIAL	AL 5052
FINISH	black anodized
THICKNESS	0.8 mm
PIN MATERIAL	AL 5052
PIN PLATING	2~3 μm tin
WEIGHT	2.9 g



REVISION HISTORY

rev.	description	date
1.0	initial release	06/25/2021

The revision history provided is for informational purposes only and is believed to be accurate.

CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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