

MODEL: HSS-B20-053H-01

DESCRIPTION: HEAT SINK

FEATURES

- TO-220 package
- round hole for component attachment
- solder pins for secure PCB mounting
- black anodized finish



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]
HSS-B20-053H-01	15.79	20.27	5.83	4.22	4.75

Note:

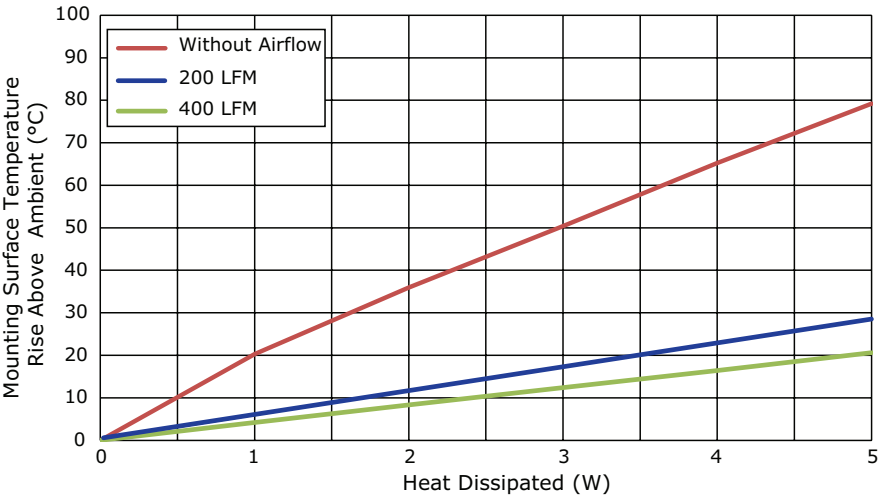
1. See performance curves for full thermal resistance details.

PERFORMANCE CURVES

Power [W]	Heatsink Temperature Rise Above Ambient (ΔT = T _{hs} - T _a) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	20.27	5.83	4.22
2	35.97	11.51	8.34
3	50.37	17.06	12.42
4	65.25	22.79	16.41
5	79.19	28.53	20.60

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

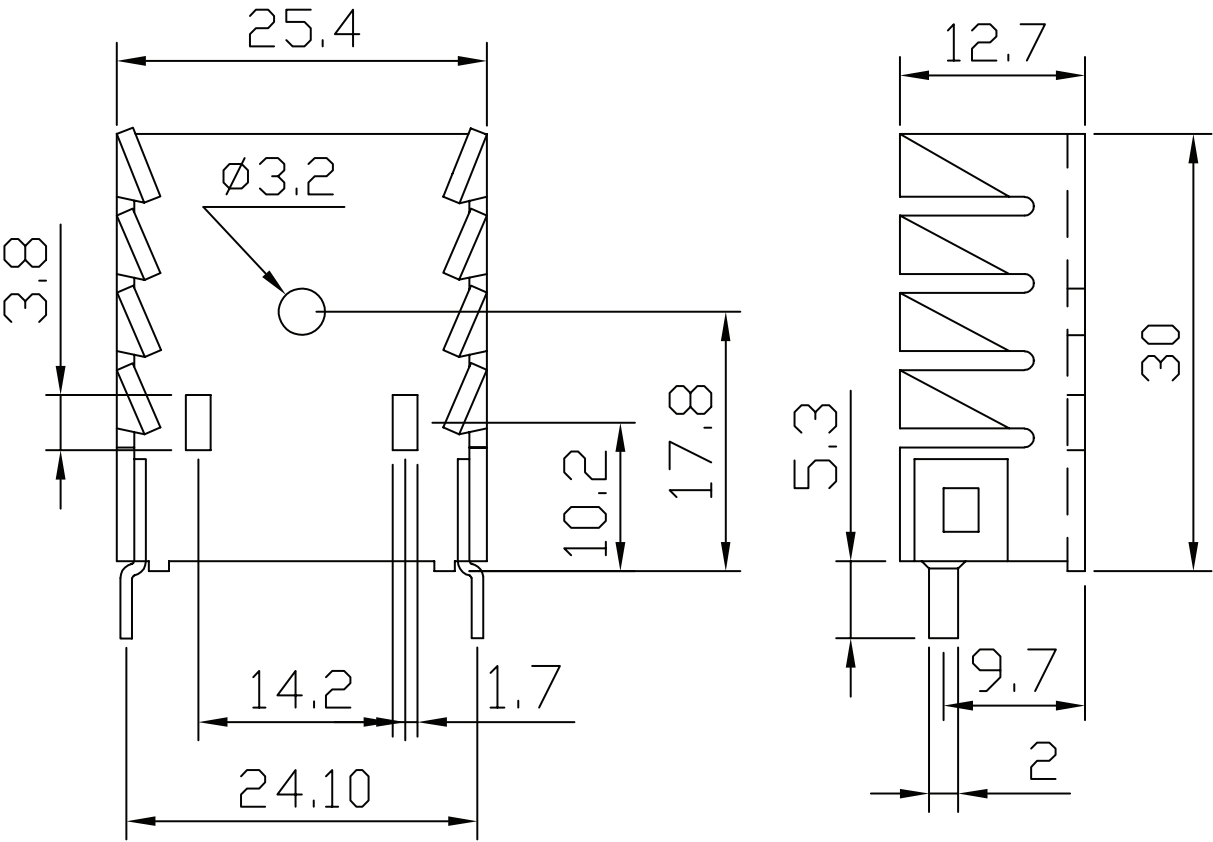
T_a: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

MATERIAL	AL1050
FINISH	black anodized
THICKNESS	1.2 mm
PIN MATERIAL	brass
PIN PLATING	tin
WEIGHT	5.0 g



REVISION HISTORY

rev.	description	date
1.0	initial release	03/31/2017
1.01	brand update	02/12/2020
1.02	updated drawing	04/18/2022
1.03	logo, datasheet style update	08/05/2022
1.04	CUI Devices rebranded to Same Sky	09/12/2024

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



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

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