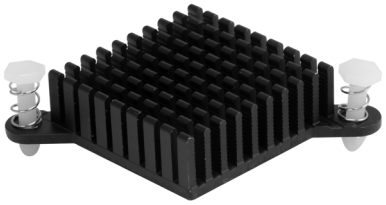
CUI Devices is now Same Sky! Learn More

MODEL: HSB25-282810 | DESCRIPTION: HEAT SINK

FEATURES

- BGA design
- small footprint
- top mount
- aluminum alloy



RoHS

MODEL

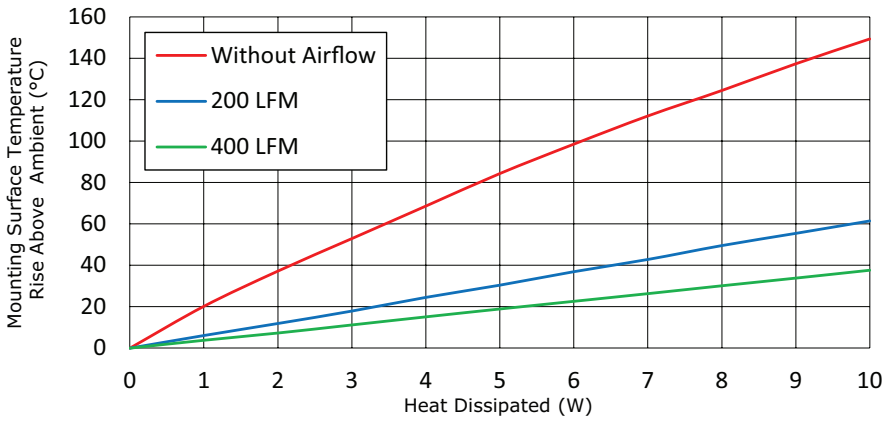
MODEL	thermal resistance[1]				power dissipation[1]
	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conv (W)
HSB25-282810	16.99	20.2	6.1	3.8	4.41

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

PERFORMANCE CURVES

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)		
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	20.2	6.1	3.8
2	37.2	11.9	7.3
3	52.9	17.9	11.2
4	68.6	24.5	15.1
5	84.3	30.4	18.9
6	98.5	36.9	22.6
7	112.1	42.8	26.3
8	124.4	49.5	30.1
9	137.3	55.4	33.8
10	149.3	61.4	37.6

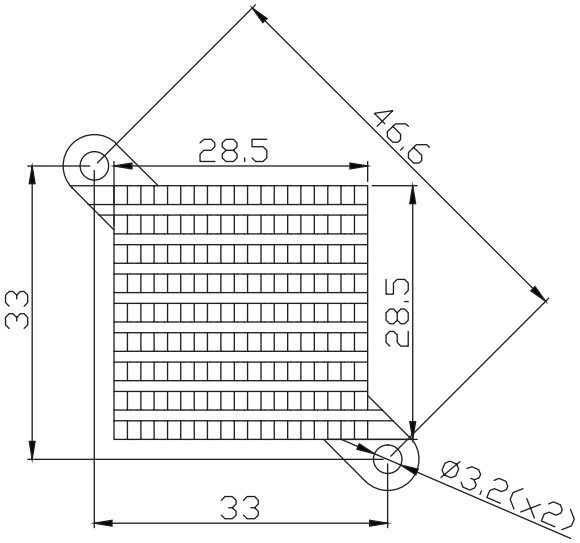
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature

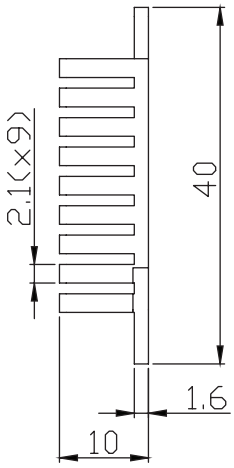


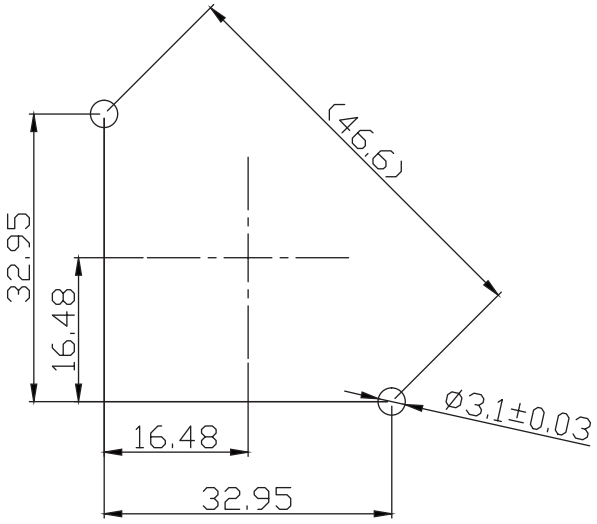
MECHANICAL DRAWING

units: mm
tolerance:
X.X ±0.10 mm
X.XX ±0.05 mm

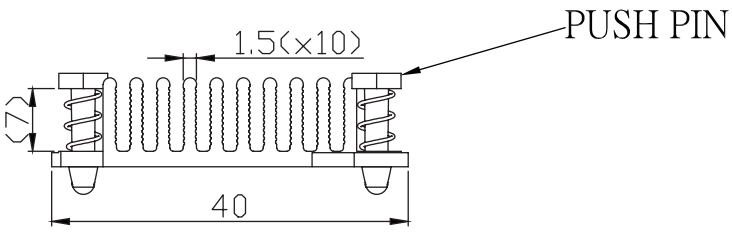
MATERIAL	AL 6063-T5
FINISH	black anodized
PUSH PIN	PA66
SPRING	spring steel, nickel plated
WEIGHT	13.9 g







Recommended PCB Layout
Top View



REVISION HISTORY

rev.	description	date
1.0	initial release	04/15/2022
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024
1.03	added recommended PCB layout	03/18/2025
1.04	factory location change	02/24/2026

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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