

date 03/01/2024

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MODEL: HSB40-252510P | DESCRIPTION: HEAT SINK

FEATURES

- BGA design
- push pins
- aluminum alloy
- black anodized finish





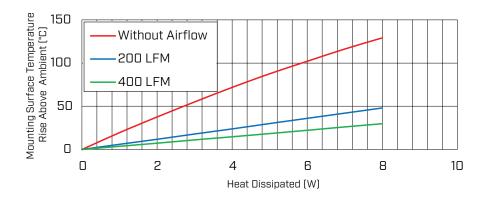
MODEL thermal resistance¹ power dissipation¹ @ 75°C ∆T, nat @ 1 W, @ 1 W, @ 1 W, @ 75°C ∆T, nat 400 LFM conv (°C/W) nat conv 200 LFM conv (°C/W) $(^{\circ}C/W)$ (°C/W) (W) HSB40-252510P 17.87 19.5 6.0 3.7 4.20

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	19.5	6.0	3.7
2	37.6	11.8	7.3
3	55.0	17.9	11.1
4	71.8	23.8	14.7
5	87.6	30.0	18.4
6	102.0	36.0	22.2
7	116.2	42.0	26.1
8	129.1	48.0	29.8

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

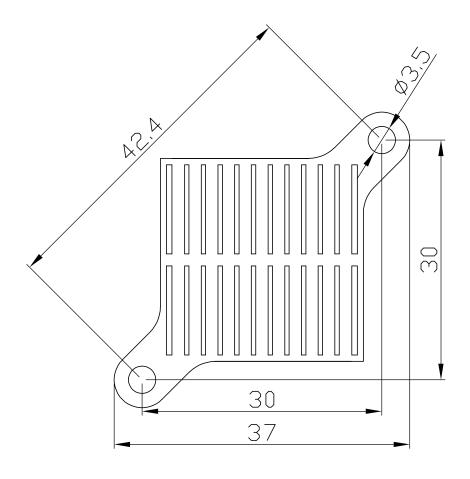


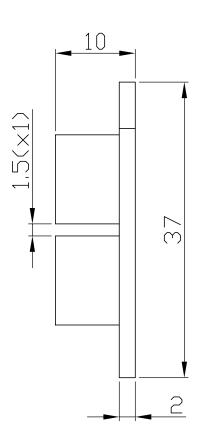
MECHANICAL DRAWING

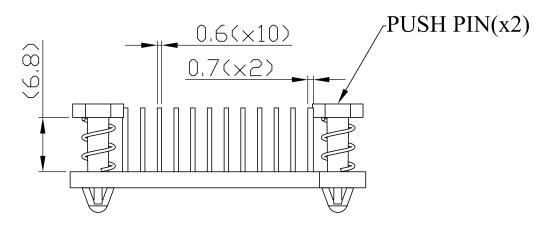
units: mm

tolerance: ±0.50 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
PUSH PIN	nylon 66
SPRING	spring steel, zinc plated
WEIGHT	7 g







Additional Resources: Product Page

CUI DEVICES | MODEL: HSB40-252510P | DESCRIPTION: HEAT SINK

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REVISION HISTORY

rev.	description	date
1.0	initial release	03/01/2024

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



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

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