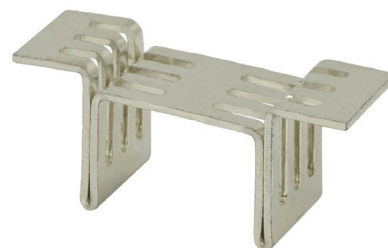


**MODEL:** HSS-C52-NP-SMT-TR | **DESCRIPTION:** HEAT SINK

**FEATURES**

- TO-252 package
- low profile design
- surface mount
- tape and reel pack



**MODEL**

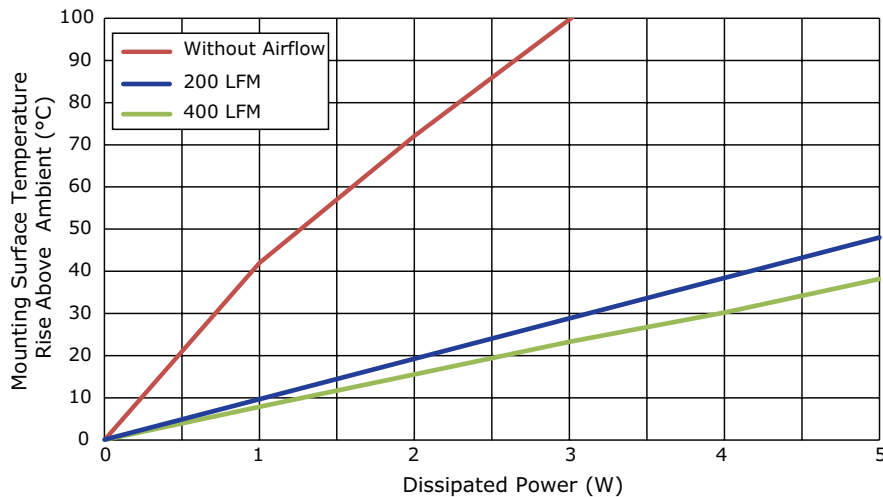
	thermal resistance <sup>1</sup>				power dissipation <sup>1</sup> @ 75°C ΔT, nat conv [W]
	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	
HSS-C52-NP-SMT-TR	35.71	41.98	10.05	7.87	2.10

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

**PERFORMANCE CURVES**

Power (W)	Heatsink Temperature Rise Above Ambient (ΔT = T <sub>hs</sub> - T <sub>a</sub> ) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	41.98	10.05	7.87
2	72.05	20.38	15.57
3	99.69	30.14	23.27
4	125.99	39.38	30.20
5	140.86	48.05	38.16

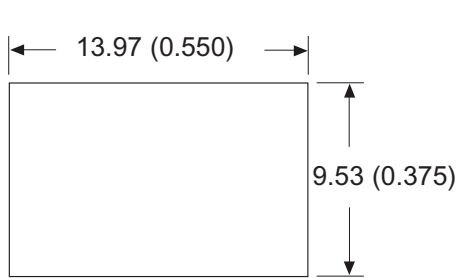
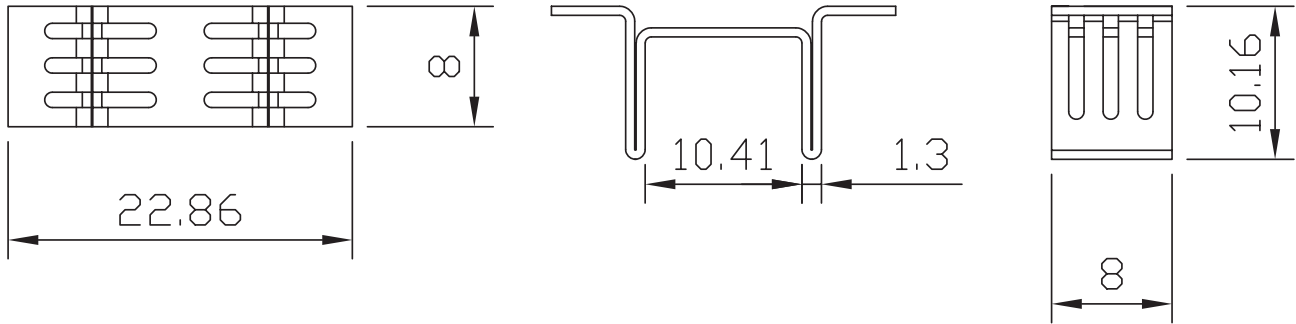
T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature



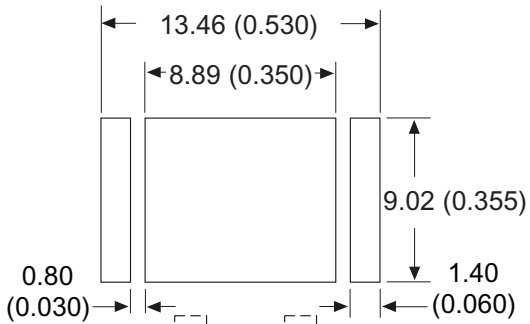
## MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm

MATERIAL	C1100
FINISH	tin plated
THICKNESS	0.6 mm
WEIGHT	4.0 g



Recommended Copper Heat Spreader Drain Pad Layout  
Top View

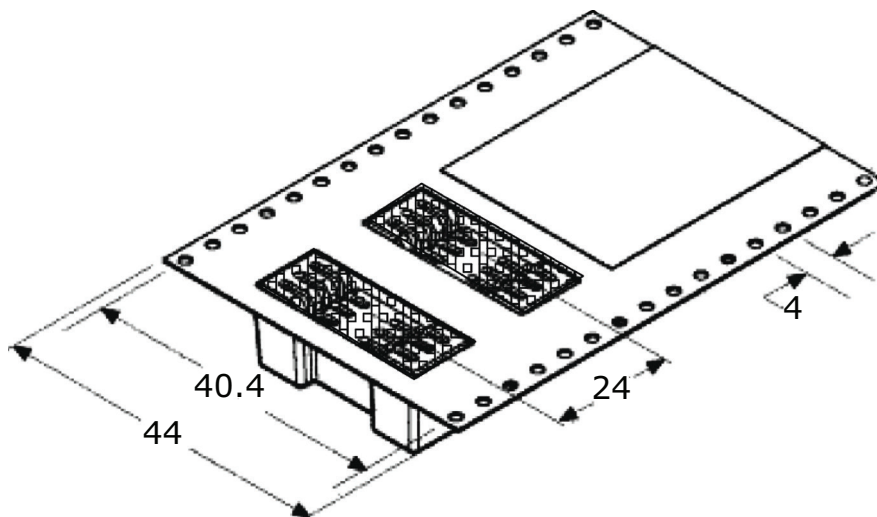


Recommended Solder Mask Opening  
Top View

## PACKAGING

units: mm

Reel QTY: 250 pcs per reel



## REVISION HISTORY

rev.	description	date
1.0	initial release	04/03/2017
1.01	brand update	02/13/2020
1.02	added recommended PCB layout details	03/10/2020
1.03	logo, datasheet style update	08/05/2022

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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