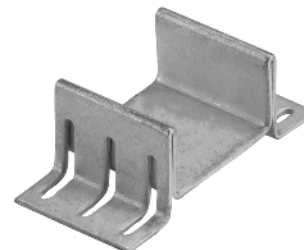


**MODEL:** HSS05-C20-SMT-TR | **DESCRIPTION:** HEAT SINK

**FEATURES**

- TO-220 package
- surface mount
- copper alloy
- tin plated



**MODEL**

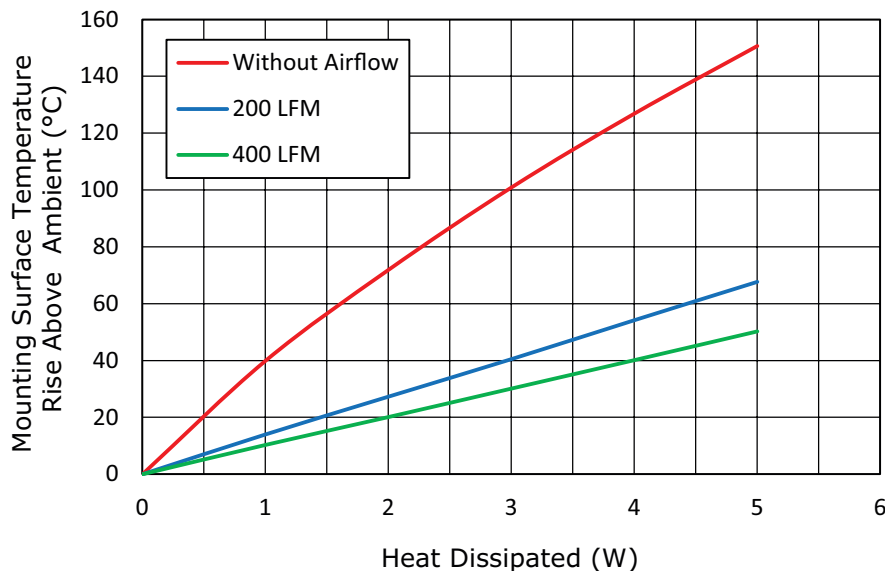
	thermal resistance <sup>1</sup>				power dissipation <sup>1</sup> @ 75°C ΔT, nat conv [W]
	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	
HSS05-C20-SMT-TR	32.69	39.9	14.00	10.3	2.29

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

**PERFORMANCE CURVES**

Power (W)	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	39.9	14.0	10.3
2	71.9	27.3	20.1
3	100.9	40.5	30.1
4	126.9	54.2	40.1
5	150.7	67.7	50.2

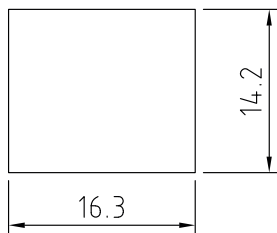
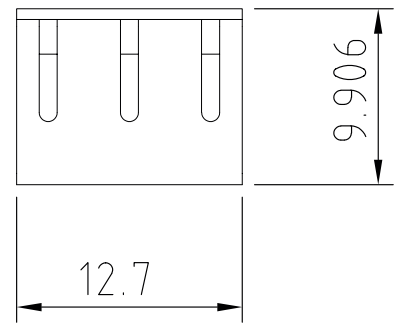
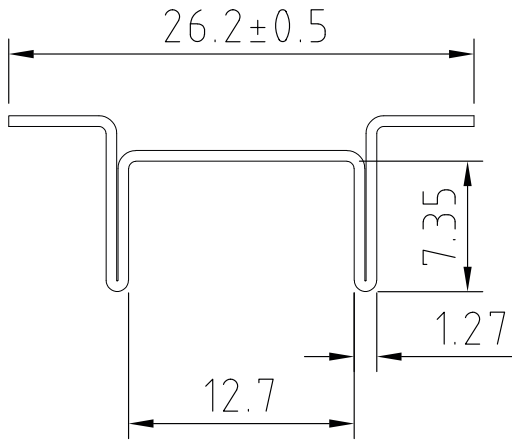
Ths: "hot spot" temperature measured on the heatsink  
Ta: ambient temperature



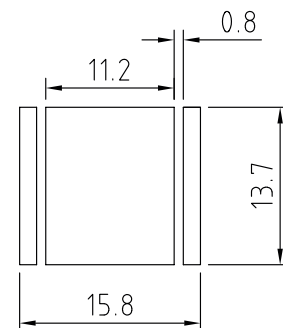
## MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm

MATERIAL	C1100
FINISH	tin
THICKNESS	0.6 mm
WEIGHT	6.0 g



Recommended Copper Heat Spreader Drain Pad Layout  
Top View

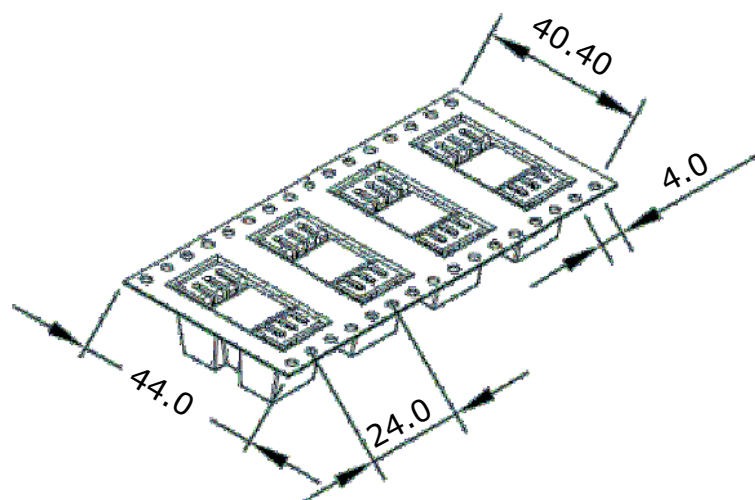


Recommended Solder Mask Opening  
Top View

## PACKAGING

units: mm

Reel QTY: 250 pcs per reel



## REVISION HISTORY

rev.	description	date
1.0	initial release	06/25/2021
1.01	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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