

MODEL: HSS-C2591-SMT-TR | **DESCRIPTION:** HEAT SINK**FEATURES**

- TO-263 package
- low profile design
- surface mount
- tape and reel pack

**MODEL**

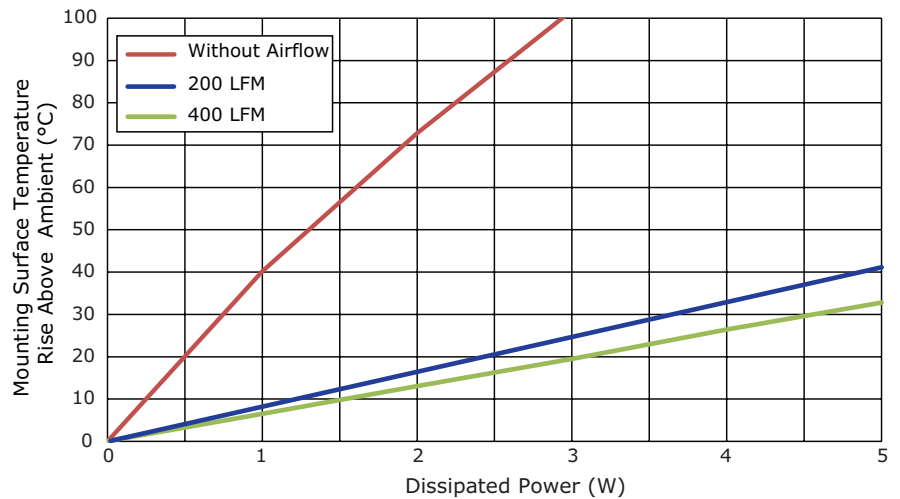
	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT , nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT , nat conv [W]
HSS-C2591-SMT-TR	35.71	40.16	8.15	6.53	2.10

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

PERFORMANCE CURVES

Power [W]	Heatsink Temperature Rise Above Ambient ($\Delta T = T_{hs} - T_a$) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	40.16	8.15	6.53
2	72.83	16.45	13.07
3	101.82	24.62	19.46
4	126.09	32.75	26.41
5	142.01	41.12	32.82

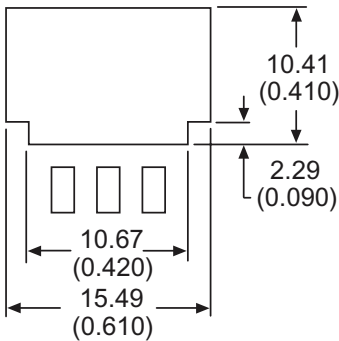
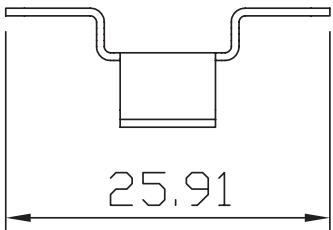
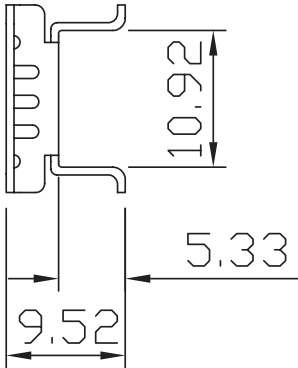
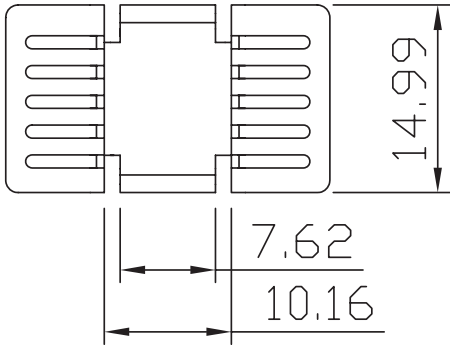
T_{hs} : "hot spot" temperature measured on the heatsink
 T_a : ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

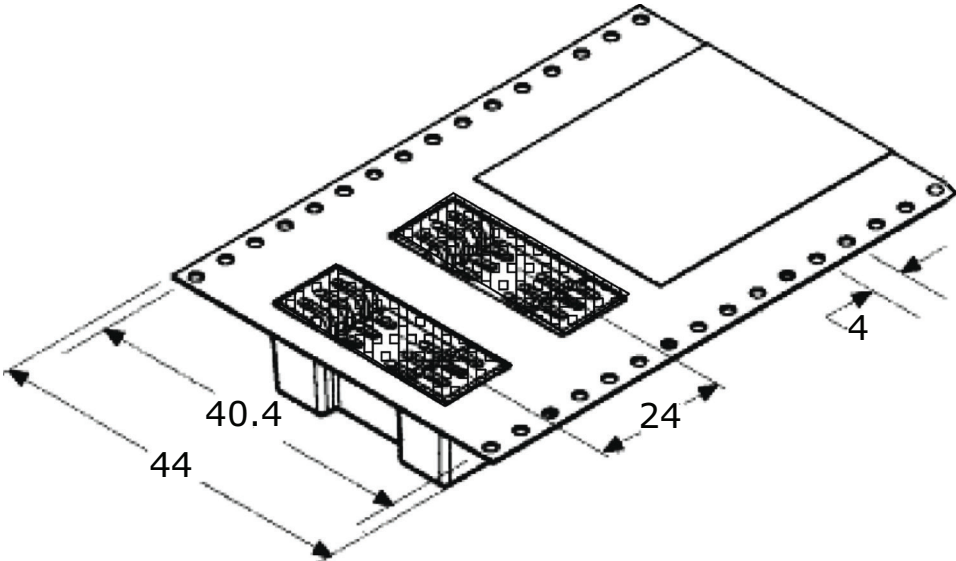
MATERIAL	C1100
FINISH	tin plated
THICKNESS	0.6 mm
WEIGHT	5.0 g



Recommended Copper Pad Layout
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
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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