CUI INC®

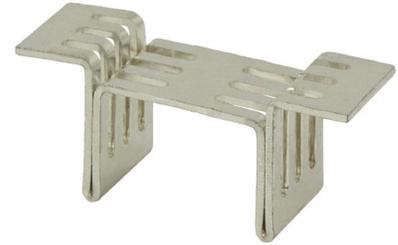**MODEL:** HSS-C52-NP-SMT-TR | **DESCRIPTION:** HEAT SINK

FEATURES

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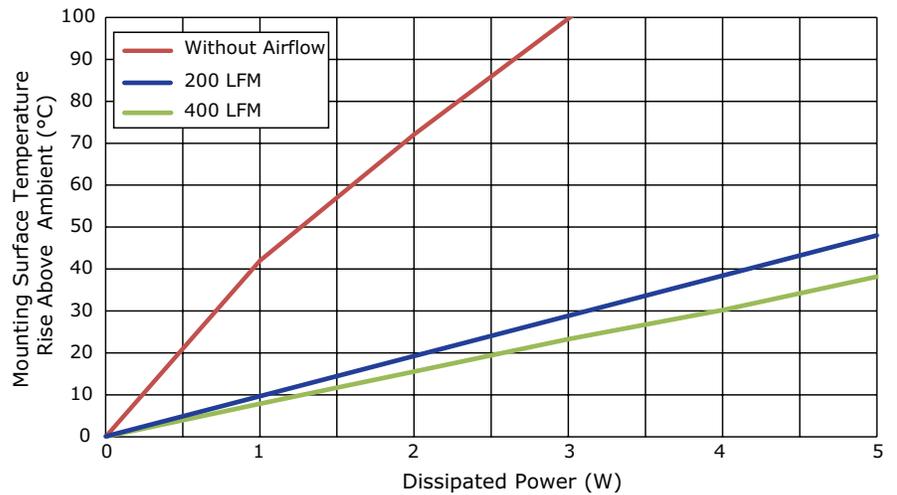- tape and reel pack

RoHS

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-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

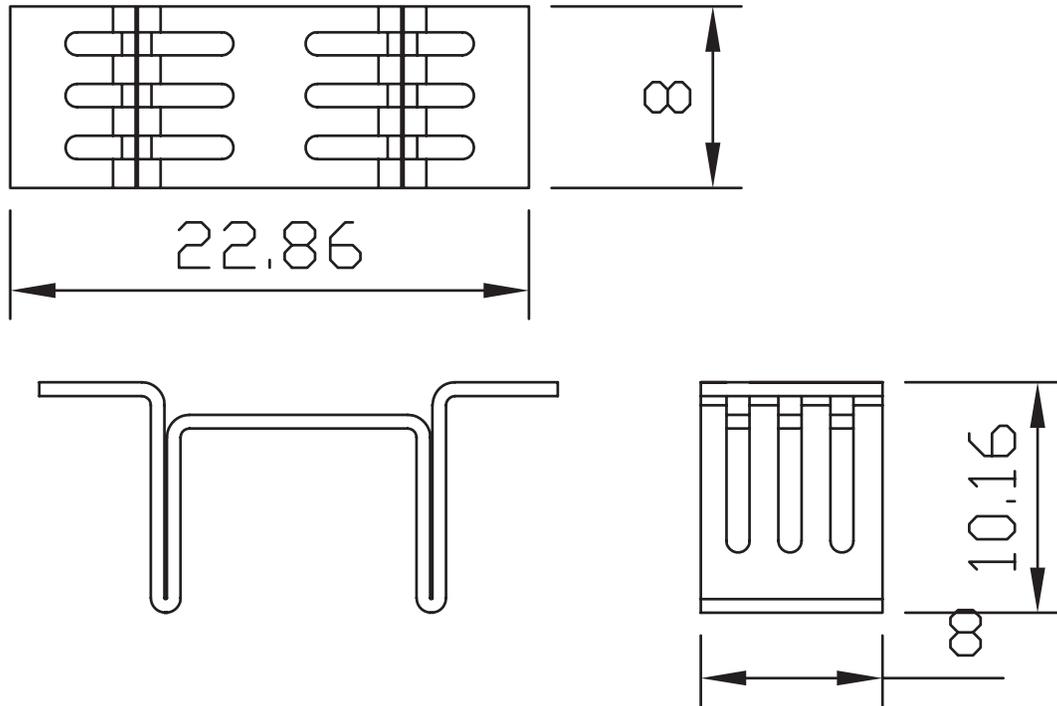|	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)		
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	41.98	10.05	7.87
2	72.05	20.38	15.57
3	99.69	30.14	23.27
4	125.99	39.38	30.20
5	140.86	48.05	38.16

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

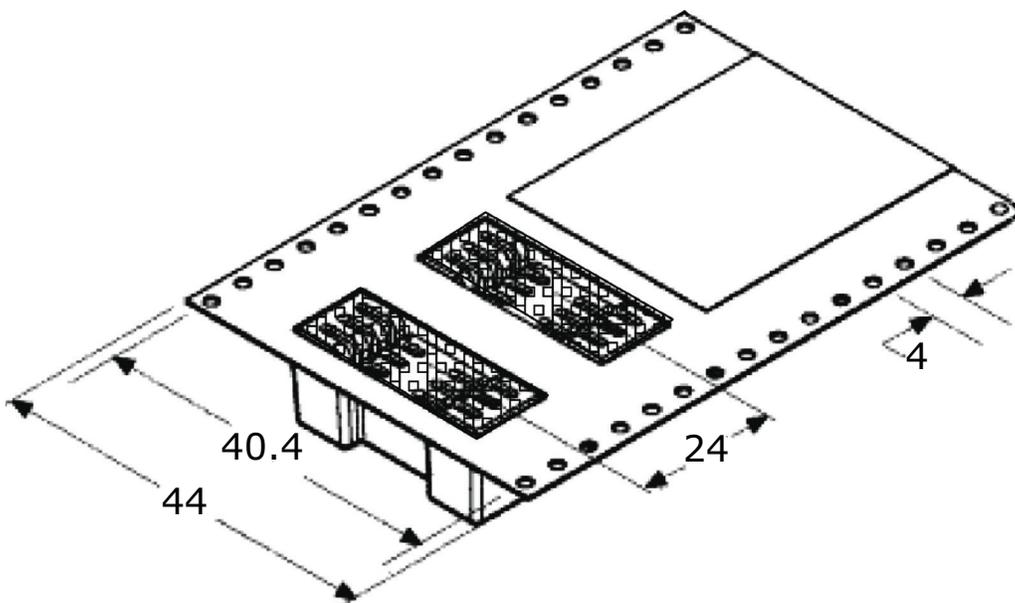## MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

MATERIAL	C1100
FINISH	tin plated
THICKNESS	0.6 mm
WEIGHT	4.0 g

22.86

8

10.16

8

PACKAGING

units: mm

Reel QTY: 250 pcs per reel

40.4

44

24

4

REVISION HISTORY

rev.	description	date
1.0	initial release	04/03/2017

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

CUI INC®

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