

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

FEATURES

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



MODEL

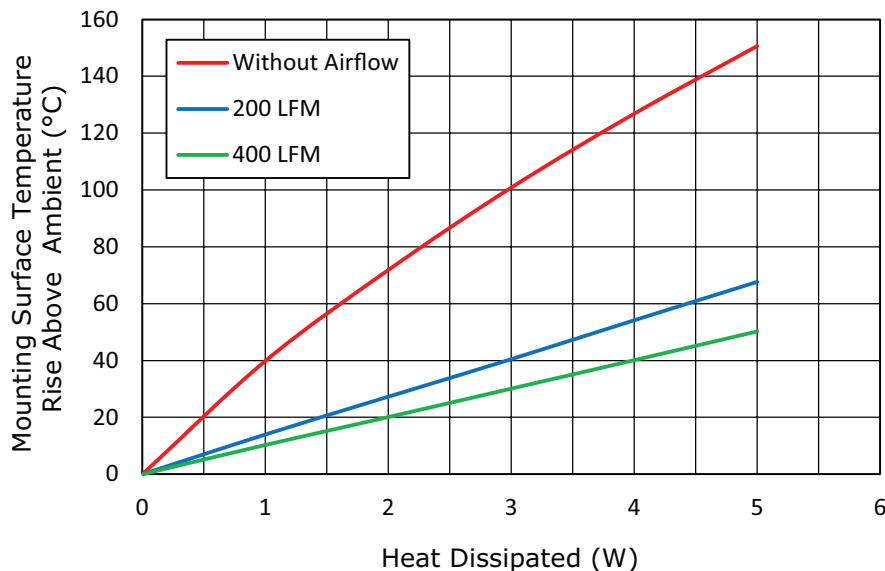
MODEL	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conv (W)
HSS05-C20-SMT-TR	32.69	39.9	14.00	10.3	2.29

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

PERFORMANCE CURVES

Power (W)	Heatsink Temperature Rise Above Ambient ($\Delta T = T_{hs} - T_a$) (°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

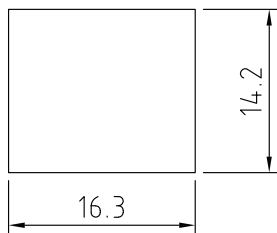
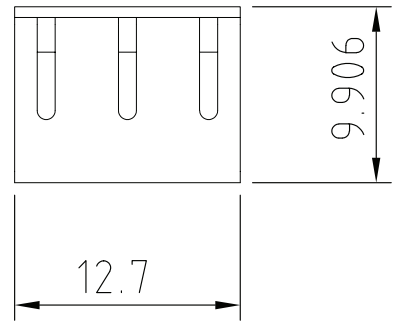
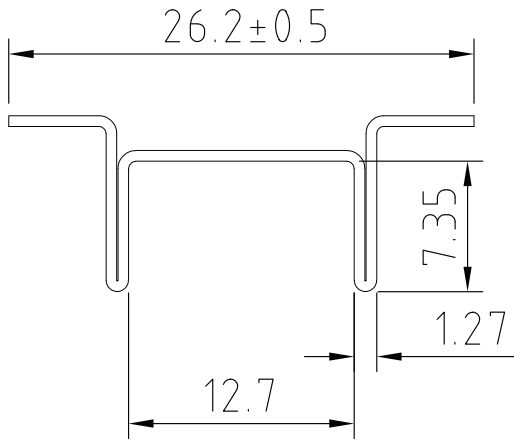
T_{hs} : "hot spot" temperature measured on the heatsink
 T_a : ambient temperature



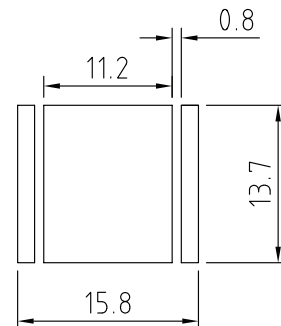
MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

MATERIAL	C1100
FINISH	tin
THICKNESS	0.6 mm
WEIGHT	6.0 g



Recommended Copper Heat Spreader Drain Pad Layout
Top View

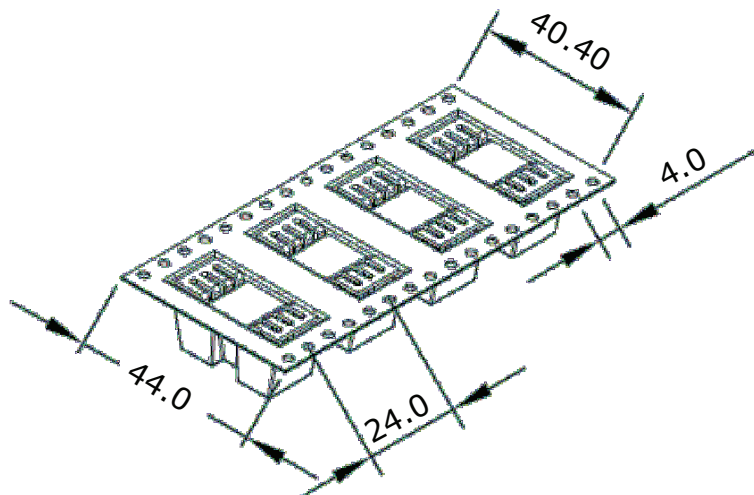


Recommended Solder Mask Opening
Top View

PACKAGING

units: mm

Reel QTY: 250 pcs per reel



REVISION HISTORY

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

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

CUI DEVICES

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