



MODEL: HSS29-302513P | DESCRIPTION: HEAT SINK

FEATURES

- TO-220 package
- use with clip HSC-12
- pins for secure PCB attachment
- aluminum alloy



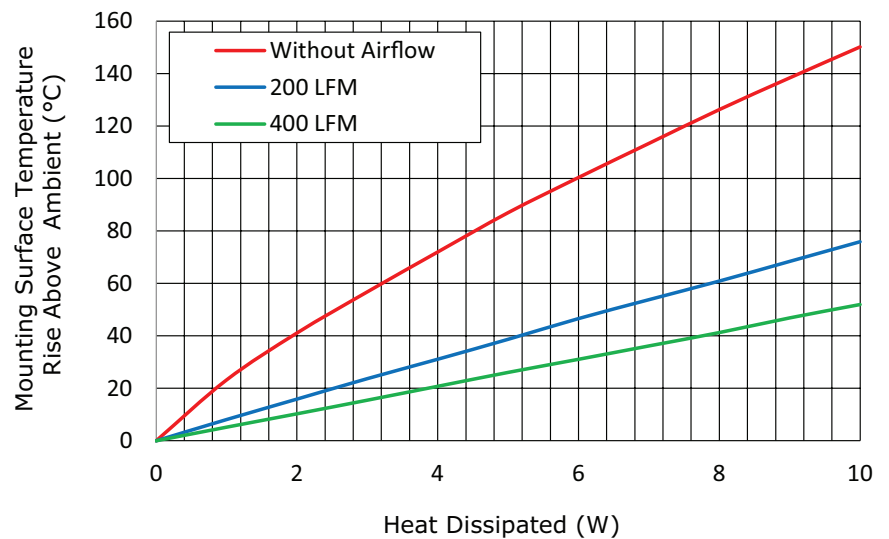
MODEL

	thermal resistance ¹				power dissipation ¹ @ 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]	
HSS29-302513P	17.67	23.2	8.1	5.2	4.25

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

PERFORMANCE CURVES

Power [W]	Heatsink Temperature Rise Above Ambient (ΔT = T _{hs} - T _a) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	23.2	8.1	5.2
2	41.1	15.9	10.3
3	56.8	23.7	15.5
4	72.0	31.1	20.8
5	87.0	38.7	26.1
6	100.4	46.6	31.1
7	113.4	53.8	36.2
8	126.3	60.9	41.3
9	138.4	68.4	46.9
10	150.2	75.9	52.0

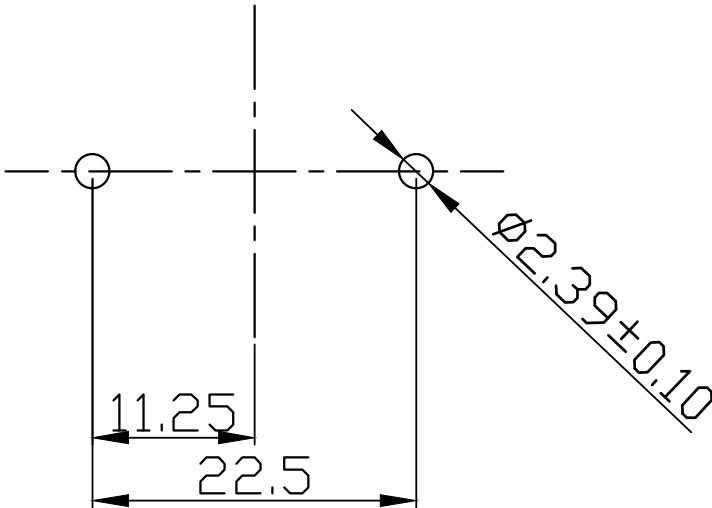
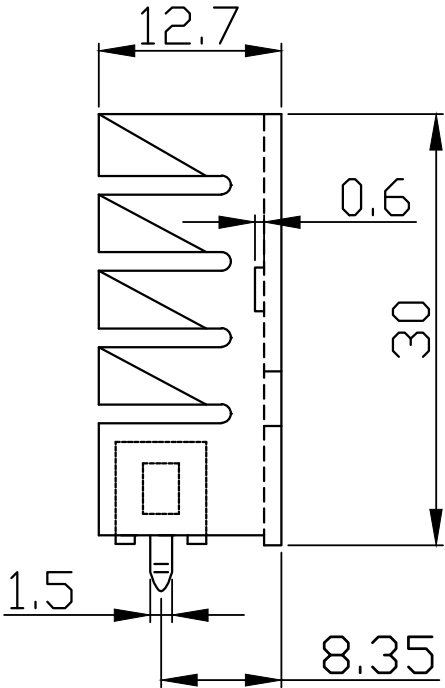
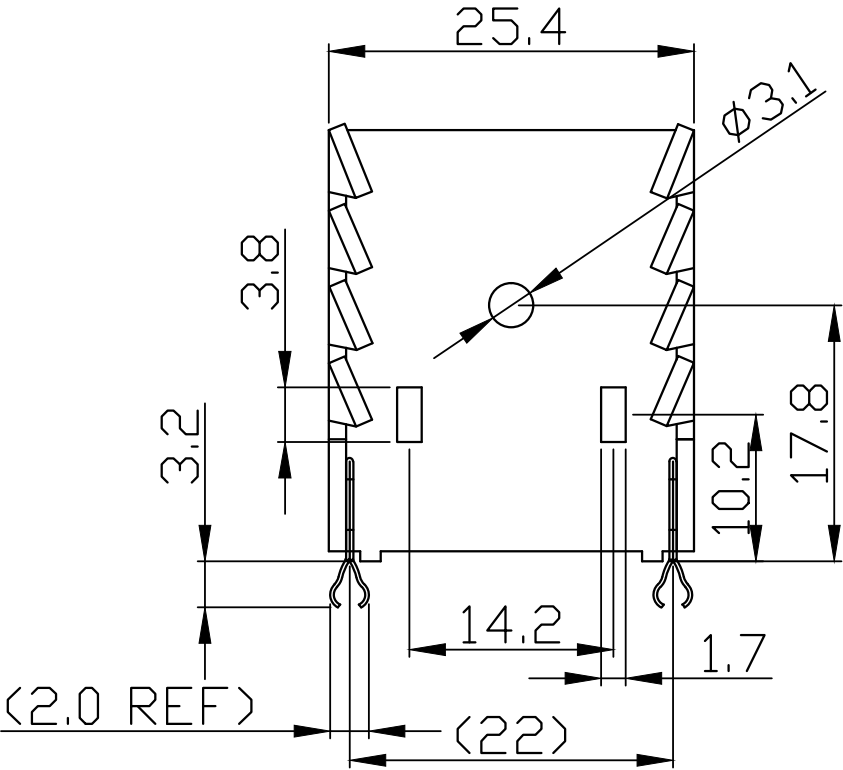


T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.50 mm

MATERIAL	AL 1050
FINISH	black anodized
PIN MATERIAL	beryllium copper
PIN PLATING	2~3 μm tin
WEIGHT	5.2 g



Recommended PCB Layout
Top View

REVISION HISTORY

rev.	description	date
1.0	initial release	03/14/2025
1.01	added recommended PCB layout	11/17/2025

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



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