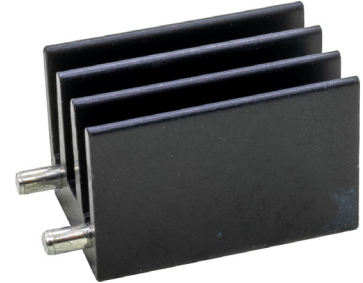


MODEL: HSE19-361616P | **DESCRIPTION:** HEAT SINK

FEATURES

- TO-220 package
- bolt on attachment
- pins for secure PCB attachment
- aluminum alloy



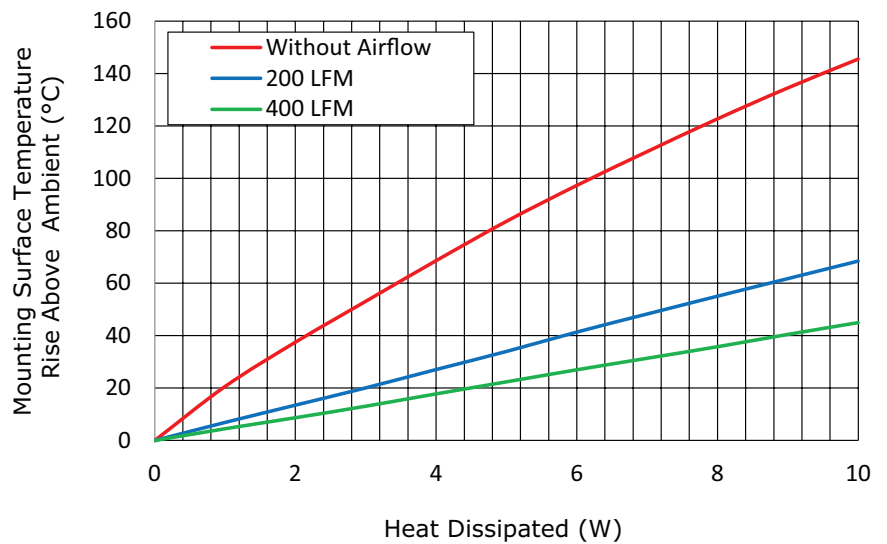
MODEL

	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]	
HSE19-361616P	16.91	20.6	6.9	4.5	4.43

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	20.6	6.9	4.5
2	37.5	13.5	8.7
3	53.1	20.1	13.1
4	68.6	27.1	17.8
5	83.6	34.0	22.4
6	97.3	41.4	27.0
7	110.2	48.3	31.4
8	122.7	55.1	35.8
9	134.5	61.8	40.5
10	145.5	68.5	45.0

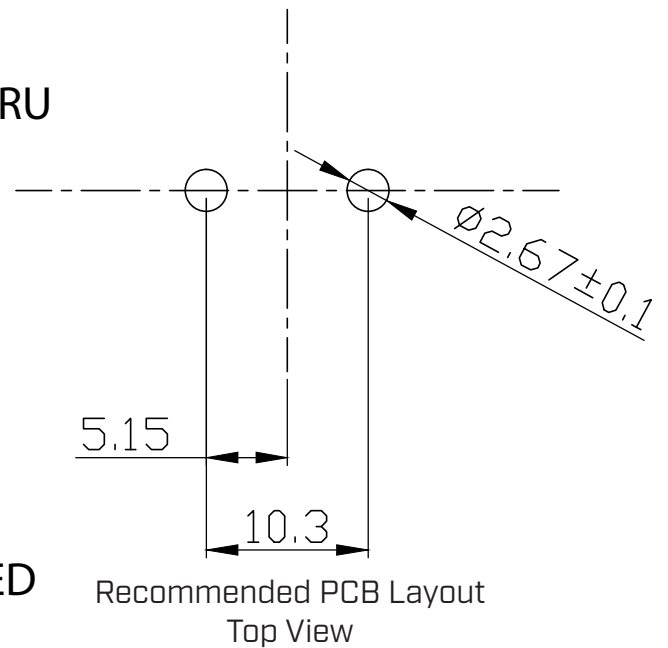
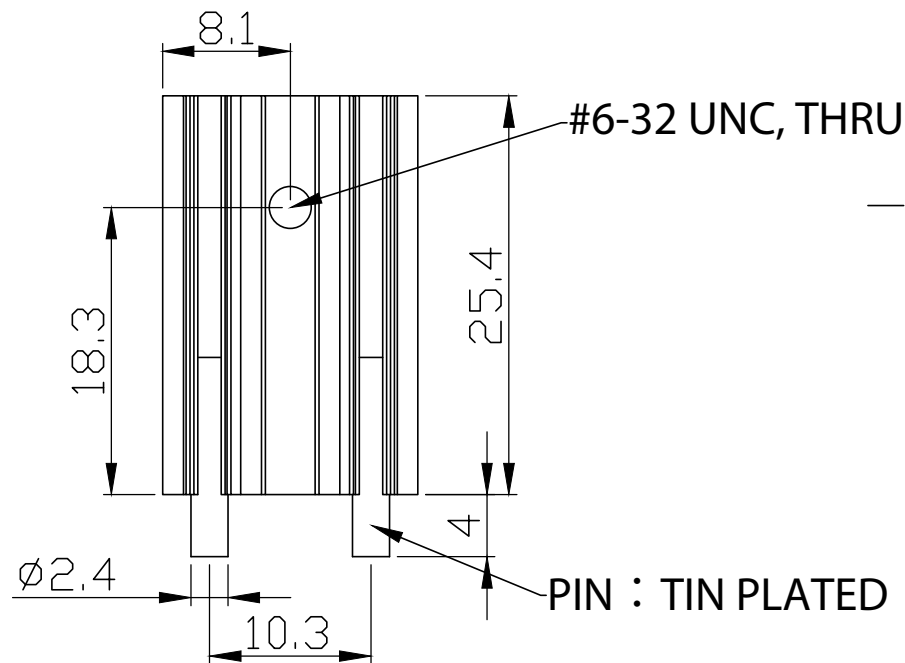
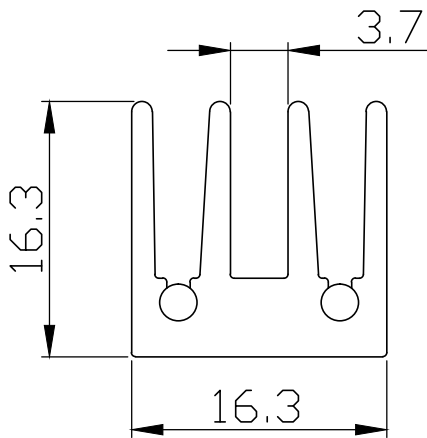


T_{hs}: "hot spot" temperature measured on the heatsink
 T_a: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.50 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
PIN MATERIAL	steel
PIN PLATING	2-3 μm tin
WEIGHT	8.0 g



REVISION HISTORY

rev.	description	date
1.0	initial release	03/03/2025
1.01	added recommended PCB layout	11/18/2025

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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