



SERIES: HSE-BX-01 | DESCRIPTION: HEAT SINK

FEATURES

- TO-220 package
- round or slot hole option
- low profile



MODEL

MODEL	mounting hole		thermal resistance ¹				power dissipation ¹
	type	size (mm)	@ 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)
HSE-B2111-038	round	Ø3.8	19.74	20.99	6.12	5.18	3.80
HSE-B1711-032	round	Ø3.2	20.27	22.39	6.84	5.05	3.70
HSE-B1711-057	slot	3.2 x 5.7	24.19	24.30	7.07	5.79	3.10

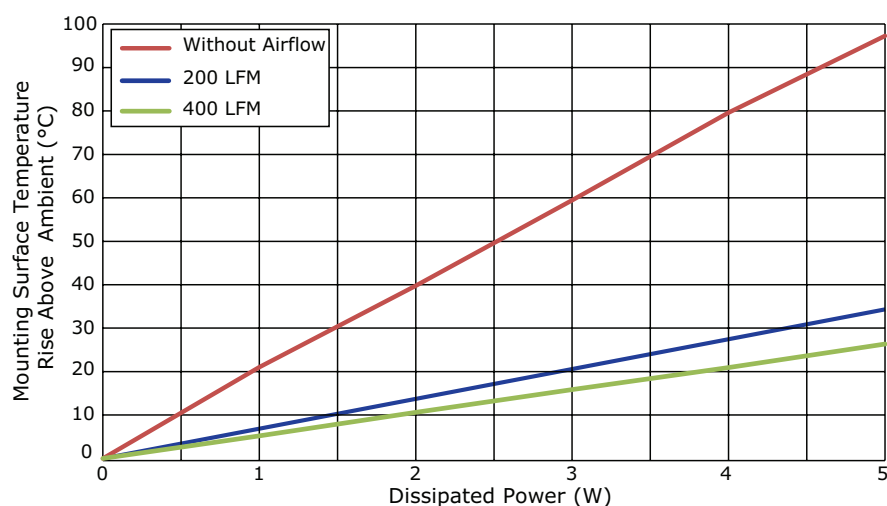
Note: 1. See performance curves for full thermal resistance details.

PERFORMANCE CURVES

HSE-B2111-038

Power (W)	Heatsink Temperature Rise Above Ambient (ΔT = T _{hs} - T _a) (°C)		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	20.99	6.12	5.18
2	39.76	13.23	10.62
3	59.46	19.90	15.87
4	79.61	26.92	20.94
5	97.29	34.35	26.37

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

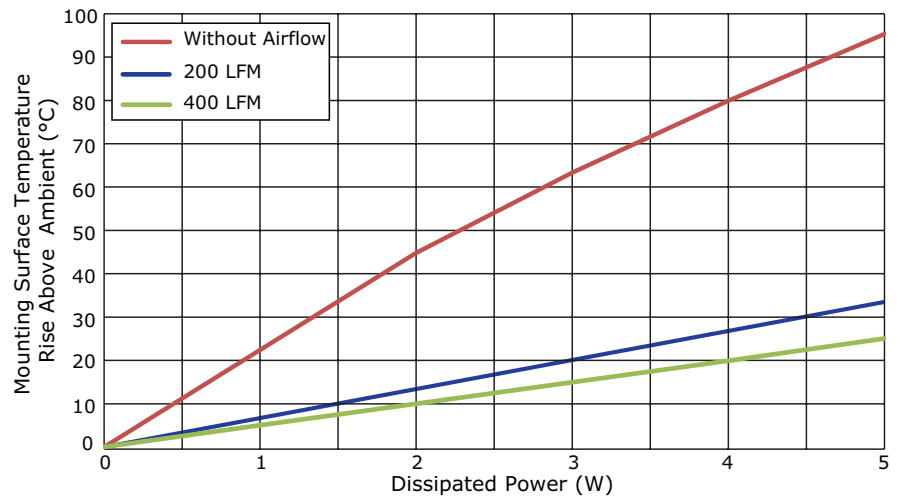


PERFORMANCE CURVES (CONTINUED)

HSE-B1711-032

Heatsink Temperature Rise Above Ambient ($\Delta T = T_{hs} - T_a$) (°C)			
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	22.39	6.84	5.05
2	44.78	13.44	9.99
3	63.30	20.16	14.97
4	79.94	26.86	19.95
5	95.30	33.50	25.04

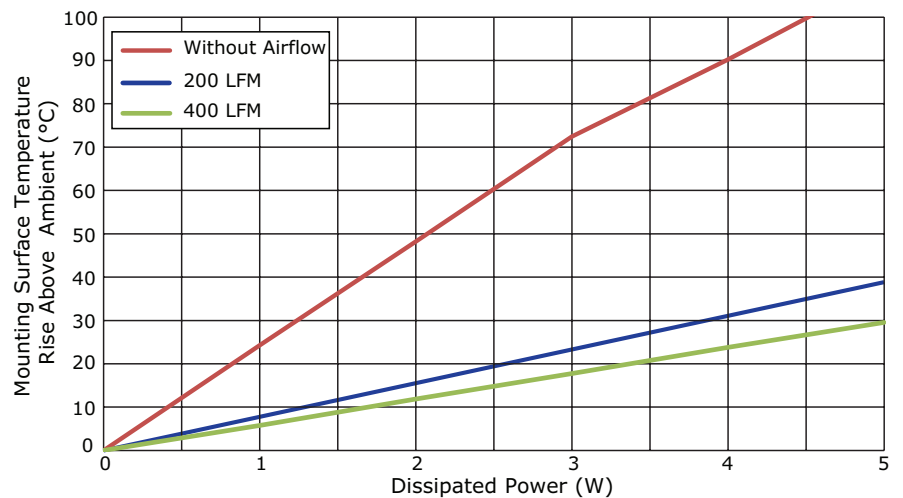
T_{hs} : "hot spot" temperature measured on the heatsink
 T_a : ambient temperature



HSE-B1711-057

Heatsink Temperature Rise Above Ambient ($\Delta T = T_{hs} - T_a$) (°C)			
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	24.30	7.07	5.79
2	48.19	15.28	11.89
3	72.44	22.86	17.72
4	90.24	30.47	23.81
5	109.19	38.84	29.57

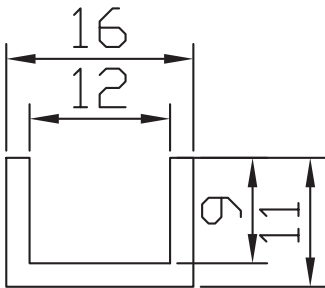
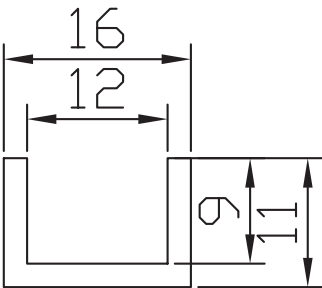
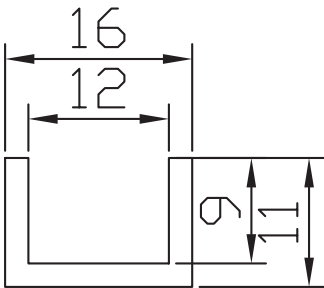
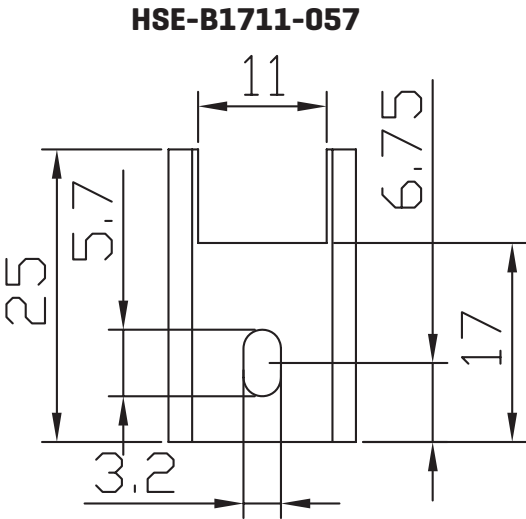
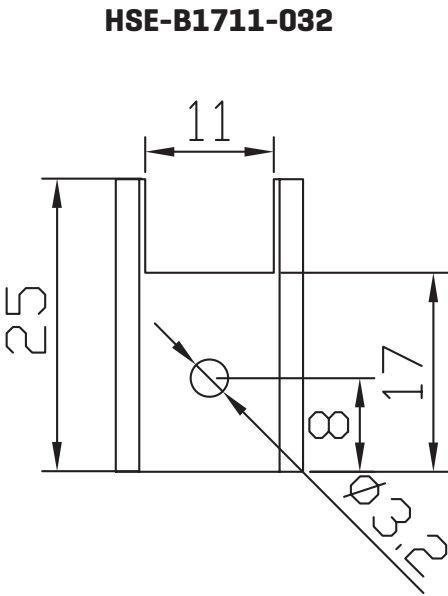
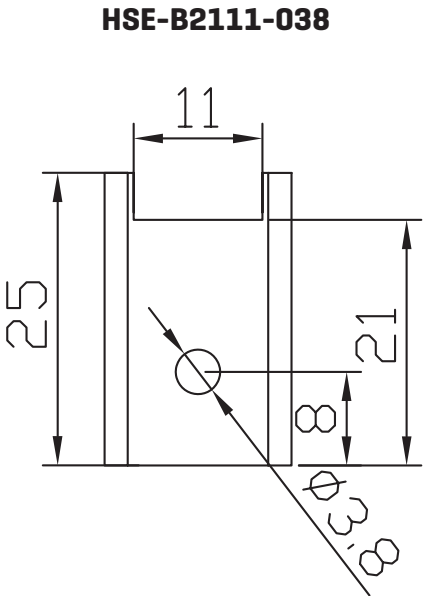
T_{hs} : "hot spot" temperature measured on the heatsink
 T_a : ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
WEIGHT	4.4 g



REVISION HISTORY

rev.	description	date
1.0	initial release	05/09/2017

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

**CUI INC®**

Headquarters
20050 SW 112th Ave.
Tualatin, OR 97062
800.275.4899

Fax 503.612.2383
cui.com
techsupport@cui.com

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