

date 08/05/2022

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

FEATURES

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





MODEL	mounting hole		thermal resistance ¹				power dissipation ¹
	type	size (mm)	@ 75°C ∆T, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ∆ T, 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

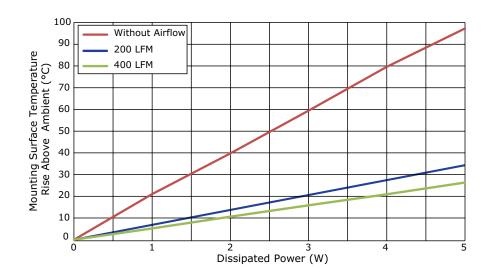
Note: 1. See performance curves for full thermal resistance details.

PERFORMANCE CURVES

HSE-B2111-038

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)			
Power (W)	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	

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

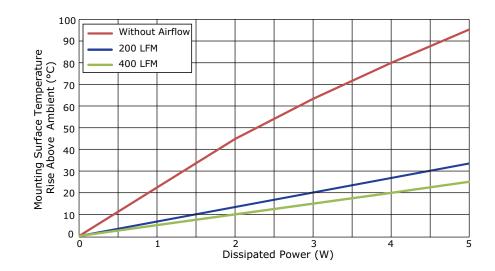


PERFORMANCE CURVES (CONTINUED)

HSE-B1711-032

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°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	

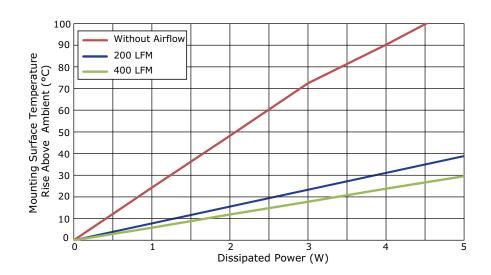
Ths: "hot spot" temperature measured on the heatsink Ta: ambient temperature



HSE-B1711-057

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°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	

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



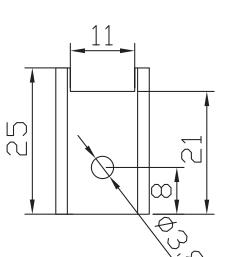
MECHANICAL DRAWING

units: mm

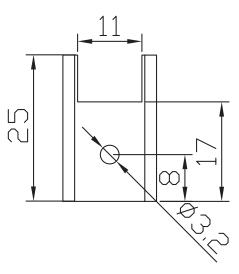
tolerance: ±0.5 mm

MATERIAL	AL 6063-T5	_
FINISH	black anodized	_
WEIGHT	4.4 g	_

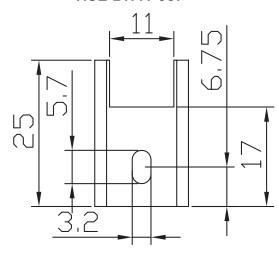
HSE-B2111-038

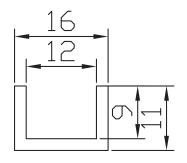


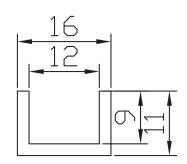
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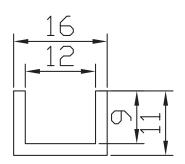


HSE-B1711-057









REVISION HISTORY

rev.	description	date
1.0	initial release	05/09/2017
1.01	brand update	02/10/2020
1.02	logo, datasheet style update	08/05/2022

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



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