

date 08/05/2022

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SERIES: HSE-BX-040H | DESCRIPTION: HEAT SINK

FEATURES

- TO-220 package
- placement pins for secure PCB attachment
- round hole for component attachment
- multiple available cut lengths





MODEL		thermal resistance ¹				power dissipation ¹
	length	@ 75°C ∆T, nat conv (°C/W)	@ 1 W, nat conv	@ 1 W, 200 LFM	@ 1 W, 400 LFM	@ 75°C ∆T, nat conv
	(mm)		(°C/W)	(°C/W)	(°C/W)	(W)
HSE-B20254-040H	25.4	13.16	16.13	7.74	5.77	5.70
HSE-B20381-040H	38.1	11.54	12.28	3.62	2.88	6.50

Note:

- 1. See performance curves for full thermal resistance details.
- ${\bf 2. \ Custom \ cut \ to \ length \ options \ available. \ Thermal \ data \ not \ available \ on \ custom \ lengths.}$

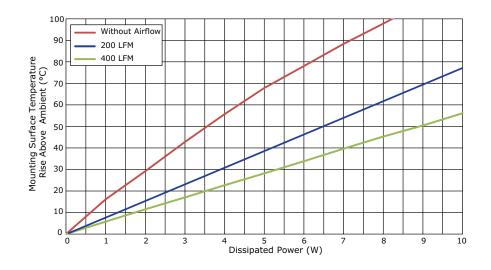
PERFORMANCE CURVES

HSE-B20254-040H

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)			
Power (W)	Natural Conv.	200 LFM	400 LFM	
0	0	0	0	
1	16.13	7.74	5.77	
2	29.25	15.62	11.53	
3	42.80	23.81	17.04	
4	55.72	31.68	22.66	
5	67.84	39.53	28.21	
6	78.06	47.35	33.83	
7	88.34	54.42	39.65	
8	97.77	62.21	45.28	
9	107.55	69.81	50.42	
10	117.33	77.16	56.11	



Ta: ambient temperature



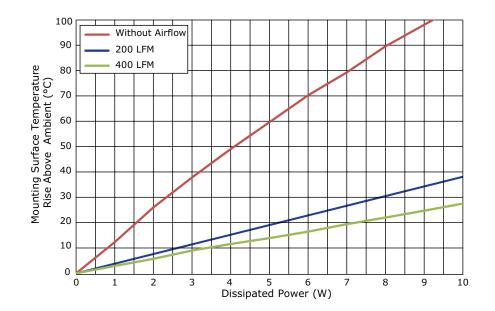
PERFORMANCE CURVES (CONTINUED)

HSE-B20381-040H

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)			
Power (W)	Natural Conv.	200 LFM	400 LFM	
0	0	0	0	
1	12.28	3.62	2.88	
2	25.96	7.21	5.70	
3	37.80	11.15	8.98	
4	49.04	14.86	11.55	
5	59.64	18.82	13.90	
6	70.27	22.54	16.43	
7	79.30	26.31	19.41	
8	89.57	30.28	21.97	
9	98.10	34.00	24.72	
10	106.51	38.10	27.50	





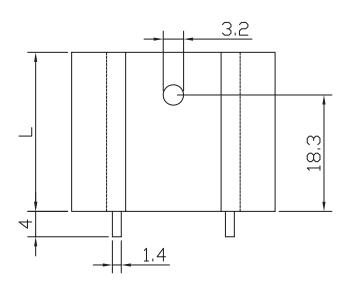


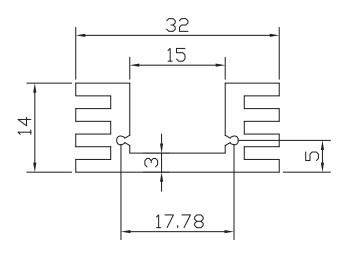
MECHANICAL DRAWING

units: mm

tolerance: ±0.5 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
PIN MATERIAL	steel
PIN PLATING	tin





MODEL NO.	LENGTH, L (mm)	WEIGHT (g)
HSE-B20254-040H	25.4	15.5
HSE-B20381-040H	38.1	23.19

REVISION HISTORY

rev.	description	date
1.0	initial release	05/04/2017
1.01	brand update	02/11/2020
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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