

date 08/05/2022

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SERIES: HSS-B20-0508H | DESCRIPTION: HEAT SINK

FEATURES

- TO-220 package
- round or slot hole attachment options
- three tabs for stable PCB placement
- black anodized finish





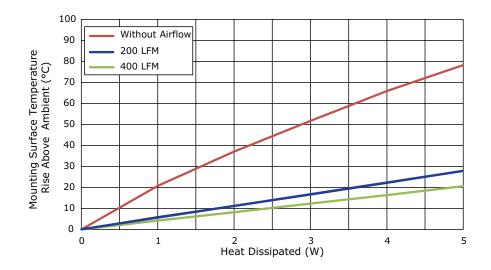
MODEL	mounting hole		thermal resistance ¹				power dissipation ¹
	type	size	@ 75°C ∆T, nat conv (°C/W)	@ 1 W, nat conv	@ 1 W, 200 LFM	@ 1 W, 400 LFM	@ 75°C ∆T, nat conv
		(mm)		(°C/W)	(°C/W)	(°C/W)	(W)
HSS-B20-0508H-01R	round	Ø3.81	15.83	20.74	5.87	4.22	4.74
HSS-B20-0508H-01S	slot	3.9 x 9.52	15.83	20.74	5.87	4.22	4.74

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

PERFORMANCE CURVES

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)				
Power (W)	Natural Conv.	200 LFM	400 LFM		
0	0	0	0		
1	20.74	5.87	4.22		
2	37.04	11.20	8.21		
3	51.71	16.65	12.28		
4	65.89	22.18	16.35		
5	78.28	27.93	20.51		

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



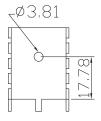
MECHANICAL DRAWING

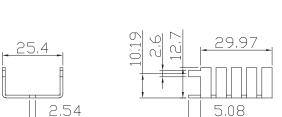
units: mm

tolerance: ±0.5 mm

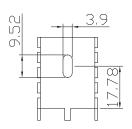
MATERIAL	AL1050
FINISH	black anodized
THICKNESS	1.2 mm
WEIGHT	HSS-B20-0508H-01R: 4.3 g HSS-B20-0508H-01S: 4.3 g

HSS-B20-0508H-01R

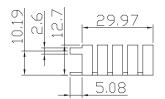




HSS-B20-0508H-01S







REVISION HISTORY

rev.	description	date
1.0	initial release	03/29/2017
1.01	brand update	02/12/2020
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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