

date 03/29/2017

page 1 of 3

SERIES: HSS-B20-07 | DESCRIPTION: HEAT SINK

FEATURES

- TO-220 package
- available with and without solder pin
- slide in style for easy component attachment
- black anodized finish





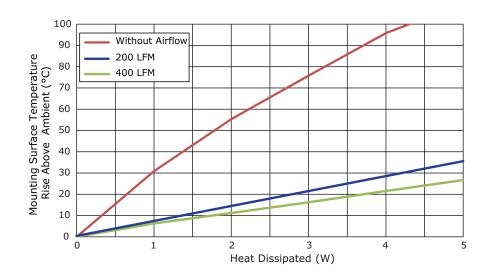
MODEL	solder pin		thermal resistance ¹				power dissipation ¹
	orientation	length (mm)	<pre>@ 75°C △T, nat conv (°C/W)</pre>	<pre>@ 1 W, nat conv (°C/W)</pre>	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	<pre>@ 75°C △T, nat conv</pre>
HSS-B20-061H-02	horizontal	6.1	25.92	30.86	7.24	6.25	2.89
HSS-B20-0953H-02	horizontal	9.53	25.92	30.86	7.24	6.25	2.89
HSS-B20-065V-02	vertical	6.5	25.92	30.86	7.24	6.25	2.89
HSS-B20-NP-10	no pin		25.92	30.86	7.24	6.25	2.89

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

PERFORMANCE CURVES

	Heatsink Temperature Rise Above				
	Ambient ($\Delta T = Ths - Ta$) (°C)				
Power (W)	Natural Conv.	200 LFM	400 LFM		
0	0	0	0		
1	30.86	7.24	6.25		
2	55.34	14.06	11.16		
3	75.79	21.12	16.22		
4	95.80	28.34	21.52		
5	109.77	35.58	26.70		

Ths: "hot spot" temperature measured on the heatsink ${\sf Ta}$: ambient temperature



MECHANICAL DRAWING

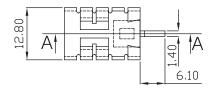
units: mm

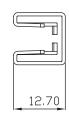
tolerance: ±0.5 mm

MATERIAL	AL5052
FINISH	black anodized
THICKNESS	0.8 mm
PIN MATERIAL	brass
PIN PLATING	tin
WEIGHT	HSS-B20-061H-02: 1.8 g HSS-B20-0953H-02: 1.8 g HSS-B20-065V-02: 1.8 g HSS-B20-NP-10: 1.7 g

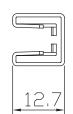
HSS-B20-0953H-02

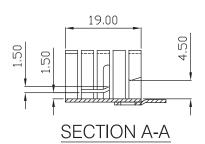
HSS-B20-061H-02

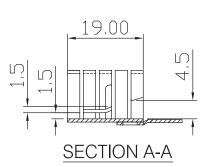




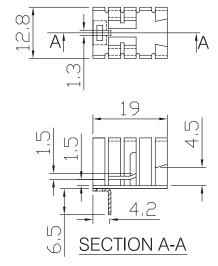






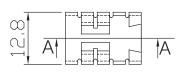


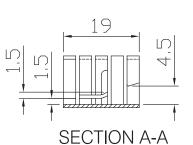
HSS-B20-065V-02

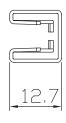




HSS-B20-NP-10







REVISION HISTORY

rev.	description	date
1.0	initial release	03/29/2017

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



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

Fax 503.612.2383 cui.com techsupport@cui.com

CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

CUI reserves the right to make changes to the product at any time without notice. Information provided by CUI is believed to be accurate and reliable. However, no responsibility is assumed by CUI for its use, nor for any infringements of patents or other rights of third parties which may result from its use.