

BGA Heat Sink - High Performance fanSINK™ with superGRIP™ Attachment



ATS Part#: ATS-2651-C2-R0

Description: 21.0 x 21.0 x 13.5 mm BGA Heat Sink – High Performance. Designed for the Analog Devices eval boards for AD9166, AD9986/8, AD9081/2, as well as the quad-MxFE design which is 4x AD9081/2

Heat Sink Type: fanSINK (fan not included)

Heat Sink Attachment: superGRIP

Equivalent Part Number: N/A

Features & Benefits

- » Heat sink includes 7/8" screws, which fit 10mm thick fans.
- » Product hole pattern is 20 mm C-C (center to center)
- » Component Attachment: ATS superGRIP™ is a proven high reliability mechanical attachment system
- » superGRIP™ hardware includes a high performance plastic frame clip and 300 Series stainless steel spring clip-avoiding PCB through holes
- » Provided with pre-assembled Thermal Interface Material (TIM) centered on base
- » “Keep-Out” Requirements: An “Un-Populated” boarder zone of 3.5mm around the component is necessary to facilitate the installation/removal of the superGRIP™. Please refer to the superGRIP™ Keep-Out Guidelines and Installation/Removal Instructions for further details
- » Fan not included

Thermal Performance

AIR VELOCITY		@200 LFM 1.0 M/S	@300 LFM 1.5 M/S	@400 LFM 2.0 M/S	@500 LFM 2.5 M/S	@600 LFM 3.0 M/S	@700 LFM 3.5 M/S	@800 LFM 4.0 M/S
THERMAL RESISTANCE	Unducted Flow	2.8°C/W	N/A	N/A	N/A	N/A	N/A	N/A
	Ducted Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Suggested Fan (Not Included)

Manufacturer	Part #	Voltage	Dimensions (mm) L x H x W	Airflow (CFM)
Sunon	MF20100V1-1000U-A99	5Vdc	20x20x10	1.9

Product Details

Dimensions (mm)

SCHEMATIC IMAGE	A	B	C	D	TIM	Finish
	20.25	20.25	13.50	14.00	T412	Black Anodized

*All Images are for illustration purposes only.

NOTES:

- 1) Fan not included. Fan type is specific to individual customer requirements and needs to be independently sourced.
- 2) HS is designed for a 15x15mm component
- 3) Dimension C is the heat sink height from the bottom of the base to the top of the fin field.
- 4) Thermal performance data are provided for reference only. Actual performance may vary by application.
- 5) ATS reserves the right to update or change its products without notice to improve the design or performance.
- 6) ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant.
- 7) Contact ATS for custom mounting options or if an alternate fan with equivalent performance is needed

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