

Heat Sink for NVIDIA® Jetson Thor™



ATS Part #: **ATS-NVP-3739-C1-R0**
Description: 87 x 100.8 x 20 mm high-performance passive heat sink
Component: NVIDIA Jetson Thor
Heat Sink Type: Straight fin heat sink
Heat Sink Attachment: Screws

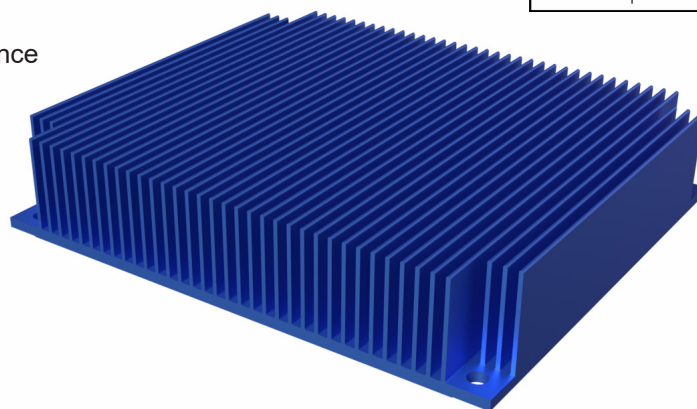


Image for illustration purposes only.

Features & Benefits

- » Designed to fit the NVIDIA® Jetson Thor™ module
- » Cooling capacity: 100W (at 50°C ambient & 8 CFM)
- » Mounts directly onto the SOM using customer supplied hardware
- » Provided with pre-assembled Thermal Interface Material (TIM) on base

Heat Sink Part Number	L (mm)	W (mm)	H (mm)	Thermal Resistance at 2.5 m/s (°C/W)	Heat Sink Weight (g)	Thermal Interface Material
ATS-NVP-3739-C1-R0	87	100.8	20	0.21	168	Chomerics T766

Thermal Performance

Incoming Airflow to Heat Sink	100 LFM	200 LFM	300 LFM	400 LFM	500 LFM	600 LFM
Thermal Resistance	0.80°C/W	0.45°C/W	0.32°C/W	0.25°C/W	0.21°C/W	0.18°C/W

Product Details

SCHEMATIC IMAGE	Dimension A	Dimension B	Dimension C	Dimension D	Dimension E	Dimension F	Material	Finish
	87 mm	100.8 mm	20 mm	92 mm	79 mm	3.5 mm	Aluminum 6063	Blue Anodized

NOTES:

- 1) Dimensions A and B refer to heat sink size.
- 2) Dimension C is the heat sink height from the bottom of the base to the top of the fin field.
- 3) Dimensions D and E refer to the mounting hole pattern C-C (center to center)
- 4) Dimension F refers to the mounting hole diameter.
- 5) Thermal performance data is provided for reference only. Actual performance may vary by application.
- 6) ATS reserves the right to update or change its products without notice to improve the design or performance.
- 7) ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant.
- 8) Contact ATS to learn about custom options available.



All Images are for illustration purposes only.

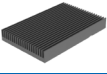
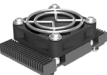
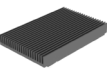
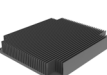
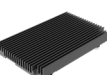
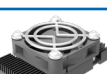
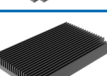
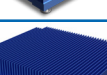
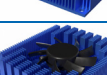


For further technical information, please contact Advanced Thermal Solutions, Inc.

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ATS Thermal Solutions for NVIDIA® Jetson™



	NVIDIA Jetson Product	Part Number	Type	L (mm)	W (mm)	H (mm)	Weight (g)	Maximum Cooling Capacity
	Jetson Nano™	ATS-NVA-2780-C1-R0	Heat Sink	60	40	8	35.5	10W
		ATS-NVP-2780-C2-R0	Heat Sink	60	40	8	32.3	10W
		ATS-NVP-3724-C1-R0	Thermal Transfer Plate	60	40	5	31	N/A
	Jetson Xavier™ NX	ATS-NVA-2781-C1-R0	Heat Sink	60	40	8	36.8	20W
		ATS-NVP-2781-C2-R0	Heat Sink	60	40	8	34.2	20W
		ATS-NVP-3725-C1-R0	Thermal Transfer Plate	60	40	5	35	N/A
	Jetson AGX Xavier™	ATS-NVA-3275-C4-R0	Heat Sink	100	87	16	164.3	60W
	Jetson AGX Orin™	ATS-NVP-3275-C5-R0	Heat Sink	100	87	16	167.7	60W
	Jetson Orin™ Nano Jetson Orin™ NX	ATS-NVA-3281-C1-R1	Heat Sink	63	40	8	38.3	25W
		ATS-NVP-3281-C2-R1	Heat Sink	63	40	8	36.2	25W
		ATS-NVA-3681-C1-R1	Thermal Transfer Plate	63	40	5	32	N/A
	Jetson™ TX2 NX	ATS-NVA-3353-C1-R2	Heat Sink	63	40	8	37.4	10W
		ATS-NVP-3353-C2-R2	Heat Sink	63	40	8	34.3	10W
	Jetson Orin™ NX (Super Mode)	ATS-NVA2-3554-C3-R0	Heat Sink	57.5	40	23	56	40W
	Jetson Thor™	ATS-NVP-3739-C1-R0	Heat Sink	100.8	87	20	168	100W
		ATS-NVA-3740-C1-R0	Heat Sink	100.8	87	20	104	95W
		ATS-NVA-3752-C2-R0	Heat Sink	100.8	92	28.6	174	175W

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