



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Extrusion Profiles

RAPID PROTOTYPING AND MANUFACTURING FOR CUSTOM COOLING SOLUTIONS

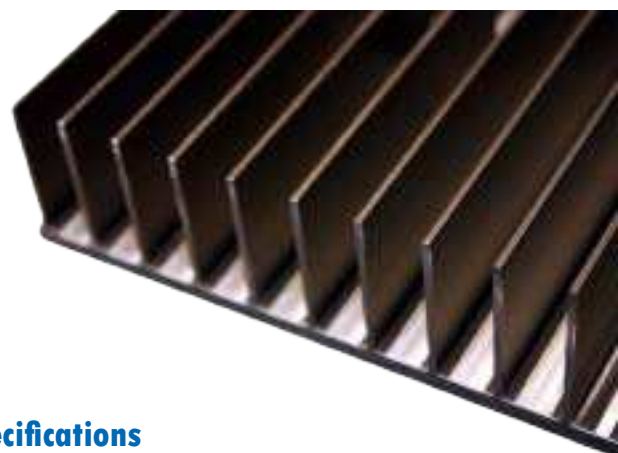
Aluminum extrusions are the most cost-effective solutions for the majority of electronic cooling applications. ATS offers a wide variety of aluminum profiles used for heat sink fabrication and other aluminum applications. Whether you are seeking a standard extrusion profile or the expertise from our design team to create a totally new and innovative profile, ATS has the capabilities and expertise to meet your requirements.

## Extensive Capabilities

From its facilities in Norwood, MA and strategic partnerships throughout Southern China, ATS offers:

- » Design with ATS high performance extrusion profiles to eliminate tooling costs and reduce lead time
- » An extensive inventory of profiles in a wide variety of sizes, ranging from 40.9 - 482.9 mm in width and 9.9 - 72.9 mm in height
- » Custom profiles available upon request to meet your specific requirements
- » Standard bar lengths of 304.8 mm for ease of manufacturing design prototypes
- » High performance extrusions with thermal resistance characteristics as low as 0.27°C/W
- » RoHS compliant, aluminum alloy 6061/6063
- » No minimum order quantity (MOQ) permitting you to order the exact quantity you require from prototype builds to high-volume production
- » All extrusion profiles unfinished (degreased) with custom finishes (anodization) available upon request to meet application-specific requirements
- » **A wide variety of secondary metal fabrication services through ATS Manufacturing including precision cutting, milling, punching, drilling and notching to meet all your design requirements**

For more information, call 781.769.2800,  
email [ats-hq@qats.com](mailto:ats-hq@qats.com) or visit [qats.com](http://qats.com)



## Specifications

MPN	Material	L (mm)	W (mm)	H (mm)	# of Fins
ATS-EXL58-300-R0	AL6063	300	6	8	3
ATS-EXL59-300-R0	AL6063	300	14	16	6
ATS-EXL60-300-R0	AL6063	300	13.9	25.2	3
ATS-EXL61-300-R0	AL6063	300	15	6	6
ATS-EXL62-300-R0	AL6063	300	24.25	17.5	8
ATS-EXL63-300-R0	AL6063	300	25	35	10
ATS-EXL64-300-R0	AL6063	300	25	22	10
ATS-EXL65-300-R0	AL6063	300	41	25	6
ATS-EXL66-300-R0	AL6063	300	25.4	4	9
ATS-EXL67-300-R0	AL6063	300	27.5	13.5	10
ATS-EXL68-300-R0	AL6063	300	51	25	9
ATS-EXL69-300-R0	AL6063	300	36	28.5	5
ATS-EXL70-300-R0	AL6063	300	36	40	5
ATS-EXL71-300-R0	AL6063	300	37	8	15
ATS-EXL72-300-R0	AL6063	300	40.75	6.58	15
ATS-EXL73-300-R0	AL6063	300	45	10	11
ATS-EXL74-300-R0	AL6063	300	70	15	28
ATS-EXL75-300-R0	AL6063	300	75.6	18.5	26
ATS-EXL76-300-R0	AL6063	300	93.4	40	29
ATS-EXL77-300-R0	AL6063	300	120.75	16.6	48
ATS-EXL78-300-R0	AL6063	300	146	7.6	24
ATS-EXL1-254-R0	AL6063	254	100.76	10	40
ATS-EXL2-254-R0	AL6063	254	100.76	20	40
ATS-EXL6-254-R0	AL6063	254	100.76	27	40
ATS-EXL7-254-R0	AL6063	254	101	14.75	22
ATS-EXL312-300-R0	AL6063	300	80.26	29.97	32
ATS-EXL424-288-R0	AL6063	288	188	16.5	35



All thermal performance data for one inch of extrusion • All data is for  $T_{ambient} = 25^{\circ}C$  and  $P = 10W$

	MPN	L (mm)	W (mm)	H (mm)	# of Fins	R (200lfm) °C/W"	R (400lfm) °C/W"	R (600lfm) °C/W"	R (800lfm) °C/W"	R (natural convection) °C/W"	R (200 lfm) °C/W" Ducted
	ATS-EXL58-300-R0	300	6	8	3	45	26	20	17	65	18
	ATS-EXL59-300-R0	300	14	16	6	11	5.9	4.6	3.9	38	4.7
	ATS-EXL60-300-R0	300	13.9	25.2	3	11.5	8.4	7	6.1	21	6.8
	ATS-EXL61-300-R0	300	15	6	6	29	17	13.8	11.9	57	12.5
	ATS-EXL62-300-R0	300	24.25	17.5	8	5.2	3.6	2.9	2.6	17.9	3.5
	ATS-EXL63-300-R0	300	25	35	10	2.5	1.6	1.6	1.1	13	1.6
	ATS-EXL64-300-R0	300	25	22	10	3.9	2.4	1.9	1.7	18.5	2.3
	ATS-EXL65-300-R0	300	41	25	6	4.5	3.3	2.7	2.4	11.7	3.5
	ATS-EXL66-300-R0	300	25.4	4	9	24.8	15	12	10.5	55	17
	ATS-EXL67-300-R0	300	27.5	13.5	10	5.8	3.8	3.1	2.7	21.7	3.6
	ATS-EXL68-300-R0	300	51	25	9	3	2.1	1.8	1.6	9.6	2.3
	ATS-EXL69-300-R0	300	36	28.5	5	5.4	4	3.3	2.9	12.1	3.9
	ATS-EXL70-300-R0	300	36	40	5	4.2	3.1	2.5	2.2	9.7	3.1



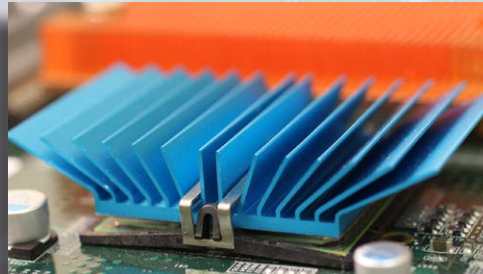
All thermal performance data for one inch of extrusion • All data is for  $T_{\text{ambient}} = 25^{\circ}\text{C}$  and  $P = 10\text{W}$

	MPN	L (mm)	W (mm)	H (mm)	# of Fins	R (200lfm) °C/W"	R (400lfm) °C/W"	R (600lfm) °C/W"	R (800lfm) °C/W"	R (natural convection) °C/W"	R (200 lfm) °C/W" Ducted
	ATS-EXL71-300-R0	300	37	8	15	9.5	5.2	4.1	3.5	36.4	4
	ATS-EXL72-300-R0	300	40.75	6.58	15	17.7	8.6	6.3	5.2	47.4	4.4
	ATS-EXL73-300-R0	300	45	10	11	6.8	4.7	3.9	3.4	18.6	4.2
	ATS-EXL74-300-R0	300	70	15	28	2.4	1.2	1.0	0.8	18.2	1.1
	ATS-EXL75-300-R0	300	75.6	18.5	26	1.4	1	0.8	0.7	9.7	1
	ATS-EXL76-300-R0	300	93.4	40	29	0.5	0.4	0.3	0.3	5.2	0.4
	ATS-EXL77-300-R0	300	120.75	16.6	48	1	0.6	0.5	0.4	12	0.6
	ATS-EXL78-300-R0	300	146	7.6	24	4.4	3.1	2.6	2.3	12	2.4
	ATS-EXL1-254-R0	254	100.76	10	40	2.2	1.3	1	0.9	15	1.2
	ATS-EXL2-254-R0	254	100.76	20	40	0.9	0.6	0.5	0.4	10	0.6
	ATS-EXL6-254-R0	254	100.76	27	40	0.7	0.5	0.4	0.3	7.9	0.5
	ATS-EXL7-254-R0 (wavy fin design)	254	101	14.75	22	1.8	1.1	0.9	0.8	14.7	0.9
	ATS-EXL312-300-R0	300	80.26	29.97	32	0.8	0.5	0.4	0.4	10.7	0.5
	ATS-EXL424-288-R0	288	188	16.5	35	0.9	0.7	0.6	0.5	4.0	0.8

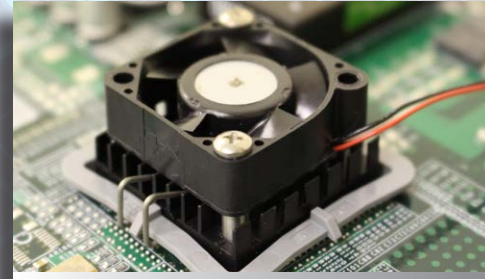
# We Have Your PCB Covered



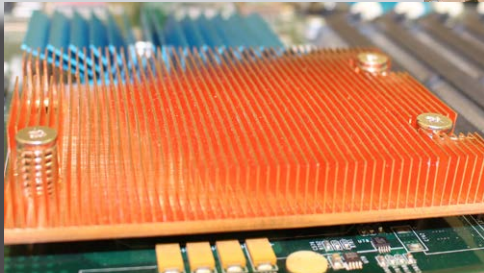
CPU Cooler



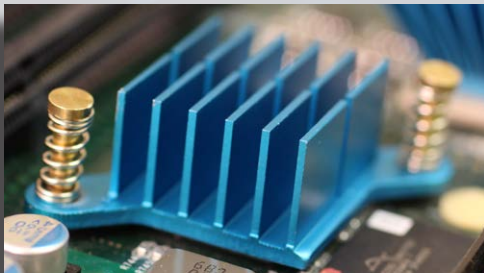
maxiFLOW™ w/ superGRIP™ Attachment



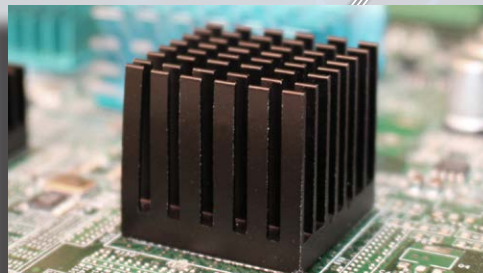
fanSINK™ w/ maxiGRIP™ Attachment



Ultra Low Profile w/ Push Pin Attachment



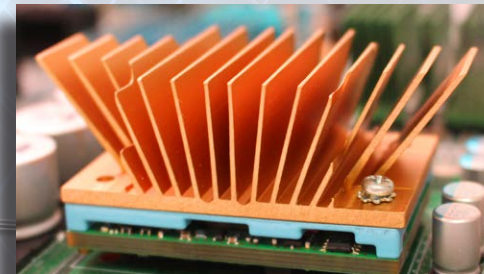
pushPIN™ Heat Sinks



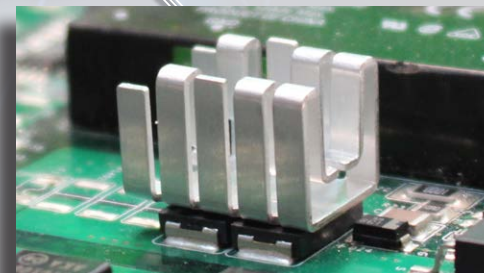
Cross Cut Heat Sink



Extrusion Profile Heat Sink



Power Brick Heat Sink



Standard Board Level Heat Sink

