

The Maxclip System
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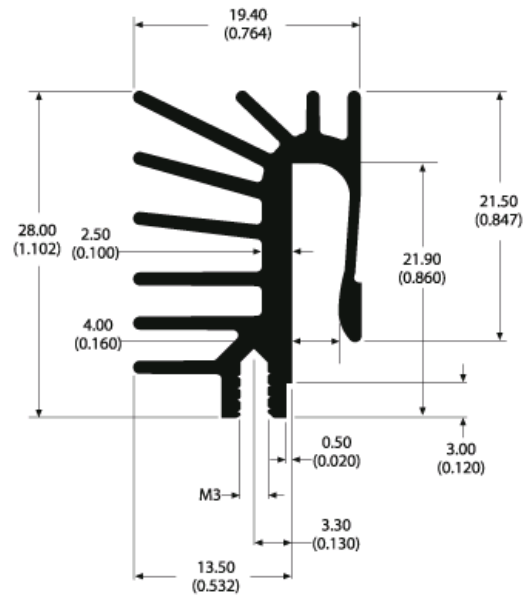
Max Clip One Piece Solutions

Aavid offers one-piece cooling solutions for TO-220s, TO-126s, and TO-247s. Each model is specially designed with an integrated clip to hold and cool a specific discrete power device.

A range of solderable pins are available for the M3 and M4 slots in all of the extrusions in this brochure, as well as for our standard range, with or without a standoff. We can provide automatic assembly of solderable pins to specified pitch and depth. 78065 Indian Chief (for TO-220)



lb/ft:0.331 kg/m:0.493 • Rthn = 2.15 °C/W • Rthn = 0.73 °C/W



Anodized heat sink thermal resistance (°C/W)

Part Number	Length (inches)	Natural convection	Forced Convection			Force on component (lb)
			1 m/s	2 m/s	3 m/s	
780653B00590	0.59	13.31	5.46	4.09	3.35	12.10
780653B00790	0.79	10.66	4.30	3.20	2.60	15.68
780653B00980	0.98	8.97	3.58	2.65	2.15	19.04
780653B01180	1.18	7.77	3.08	2.27	1.84	22.40

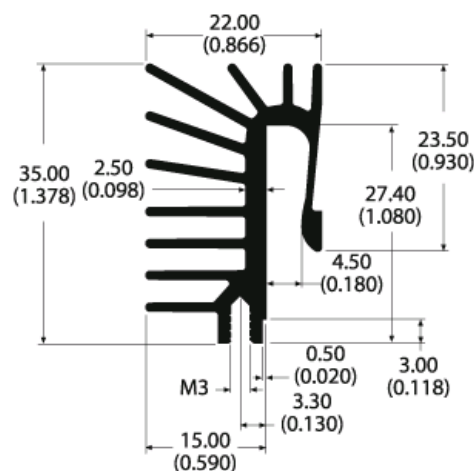
Blank heat sink thermal resistance (°C/W)

Part Number	Length (inches)	Natural convection	Forced Convection			Force on component (lb)
			1 m/s	2 m/s	3 m/s	
780653U00590	0.59	16.18	6.05	4.41	3.56	12.10
780653U00790	0.79	13.02	4.76	3.44	2.77	15.68
780653U00980	0.98	10.98	3.96	2.85	2.28	19.04
780653U01180	1.18	9.55	3.41	2.45	1.96	22.40

The heat sink thermal performance is evaluated in the vertical mode at a DT of 70°C.

78240 Big Chief (cool's TO-247's)

lb/ft:0.421 kg/m:0.627 • Rthn = 1.74 °C/W • Rthn = 0.58 °C/W



Anodized heat sink thermal resistance (°C/W)

Part number	Length (inches)	Natural convection	Forced Convection			Force on component (lb)
			1 m/s	2 m/s	3 m/s	
782403B00590	0.59	10.71	4.49	3.40	2.80	12.10
782403B00790	0.79	8.58	3.53	2.65	2.17	15.68
782403B00980	0.98	7.22	2.93	2.19	1.79	19.04

782403B01180	1.18	6.26	2.53	1.88	1.53	22.40
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Blank heat sink thermal resistance (°C/W)

Part Number	Length (inches)	Natural convection	Forced Convection			Force on component (lb)
			1 m/s	2 m/s	3 m/s	
782403U00590	0.59	12.96	4.49	3.40	2.80	12.10
782403U00790	0.79	10.42	3.53	2.65	2.17	15.68
782403U00980	0.98	8.79	3.93	2.19	1.79	19.04
782403U01180	1.18	7.66	2.53	1.88	1.53	22.40

The heat sink thermal performance is evaluated in the vertical mode at a DT of 70°C.

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