

# AAVID THERMALLOY Clips and Accessories



RoHS Compliant This product is RoHS compliant.

## MAX CLIP® SYSTEM™

The Max Clip® System™ for power semiconductors is a high performance, low cost solution to eliminate mounting holes, screws, rivets, and thermal inefficiency. This quick, efficient attachment method saves on labor and hardware costs while increasing design flexibility.

### Features:

- Reduces assembly cost and labor
- Optimizes thermal management
- Reduces overall thermal resistance
- Provides mounting for discrete power devices, with or without mounting holes
- Allows for easy movement or replacement of components
- Eliminates mounting hardware and tools

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Dimensions: mm			Force (lbs.)	Price Each		
				Length	Width	Thickness		1	10	100
<b>Rail Mounted</b>										
532-MAXCLIP01G	MAX01G	A	For TO-220, Max 220	14.7	10	0.5	4.9	.21	.19	.17
532-MAXCLIP03G	MAX03G	B	For TO-220, TO-247, Max 247	14.7	15	0.5	10.1	.25	.22	.19
532-MAXCLIP03HG	MAX03-HG	B	For TO-247, Max 247, TO-247J	14.7	18	0.6	18	.33	.31	.29
532-MAXCLIP10G	MAX10G	C	For TO-220, Max 220 Thin Components	19.7	12	0.6	9	.23	.20	.17
532-MAXCLIP09G	MAX09G	D	For TO-220	10.1	10	0.5	10.1	.29	.25	.21
532-MAXCLIP01-HG	MAX01-HG	D	For TO-220, Max 220	14.7	10	0.7	18	.23	.21	.18
532-MAXCLIP02G	MAX02G	D	For TO-220, Max 220	14.7	12	0.5	7.9	.20	.17	.15
532-MAXCLIP02-HG	MAX02-HG	D	For TO-220	10.1	10	0.5	13.5	.27	.25	.23
532-MAXCLIP04G	MAX04G	E	For TO-247, Max 247, TO-247J	14.7	20	0.5	13.5	.31	.29	.27
532-MAXCLIP11G	MAX11G	F	For TO-220, Max 220 Thin Components	24.7	12	0.6	9	.29	.25	.21
532-MAXCLIP12G	MAX12G	F	For TO-92 Sensors	19.7	6	0.6	5.6	.23	.20	.17
532-MAXCLIP23G	MAX23G	G	For TO-220, Max 220	14.7	18	0.6	22.5	.29	.25	.21
532-MAXCLIP16G	MAX16G	H	For TO-247	10.5	17	0.5	10.1	.35	.32	.29
<b>Screw On</b>										
532-MAXCLIP07G	MAX07G	I	For TO-220, Max 220, Max 247	.87	12	0.5	11.2	.21	.18	.15
532-MAXCLIP08G	MAX08G	J	For TO-218, TO-247, Max 247, TO-247J	.93	18	0.5	16.9	.30	.26	.21
<b>Clip over Edge</b>										
532-CLP212G	CLP212G	K	For TO-220/Max220	18.9	10	0.5	4.7	.38	.35	.32
532-CLP212MG	CLP212MG	L	For TO-247/Max247	18.9	15	0.6	8.1	.33	.31	.28
532-CLP212SG	CLP212SG	M	For Sensors/Thin Components	10.0	7	0.5	4.5	.25	.23	.21
532-CLP212TG	CLP212TG	N	For TO-220/Max220	14.6	10	0.6	7.6	.23	.21	.19

## INSULATING SHOULDER WASHERS

- 40% Glass-filled polyphenylene sulfide (PPS)
- Chemically inert

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Dimensions: in.					Screw Size	Price Each		
			A	B	C	D	E		1	10	100
532-7721-3PPS	7721-3PPSG	O	.280	.125	.042	.112	.150	4	.31	.289	.253
532-7721-7PPS	7721-7PPSG	O	.215	.032	.040	.116	.139	4	.32	.292	.263
532-7721-8PPS	7721-8PPSG	P	.245	.040	.040	.119	.140	4	.45	.426	.39

## INSULATORS

- Mica insulators provide high maximum operating temperatures (550°C) and excellent electrical properties
- Aluminum oxide has unique thermal conductivity qualities and features low loss factors at high frequencies
- It has high compressive strengths, high volume resistivity, low thermal expansion and it resists radiation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Dimensions: in.					Price Each		
				A	B	C	D	E	1	10	100
532-56-77-11	56-77-11G	Q	TO-220 Mica Insulators	.745	.545	.212	.212	.120	.10	.077	.062
532-4170	4170G	Q	Aluminum Oxide Ceramic for TO-220	.760	.550	.188	.275	.145	.50	.45	.393
532-4180	4180G	Q	Aluminum Oxide Ceramic for TO-218, TO-247 and TO-3P	.915	.740	.275	.370	.156	.70	.63	.56

## THERMALLY CONDUCTIVE INSULATORS

- Polyimide Plastic
- Color-Amber
- Low Cost
- Easily recognized and assembled on production line

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Dimensions: in.				Price Each		
				A	B	C	D	1	10	100
532-43-77-9	43-77-9G	R	TO-220 Thermalfilm™	.725	.520	.170	.115	.34	.317	.288
532-53-77-4G	53-77-4G	R	TO-220 Thermalsil™ III	.750	.500	.187	.147	.22	.19	.16
532-53-77-4ACG	53-77-4ACG	R	TO-220 Thermalsil™ III w/adhesive backing	.750	.500	.187	.147	.33	.29	.25
532-53-77-9	53-77-9G	R	TO-220 Thermalsil™ III	.750	.520	.170	.115	.32	.301	.277
532-53-77-9ACG	53-77-9ACG	R	TO-220 Thermalsil™ III w/adhesive backing	.750	.520	.170	.115	.33	.29	.25

## MOUNTING PAD

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Outside Dia. IN.	Thickness	Price Each		
						1	10	100
532-7717-5N	7717-5NG	S	Nylon, TO-5, 4 Leads	.350	0.125	.25	.23	.21

## MOUNTING KITS

- Pre-packaged in heat-seated plastic bags for use on assembly line.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Description	Price Each		
			1	10	100
532-4880M	4880MG	Mica Insulator Mounting Kit for TO-220: 1 Insulator Mica, 1 Shoulder Washer, 1 Flat Washer #4, 1 No. 4-40 UNC-2B Hex Nut, 1 No. 4-40, UNC-2A X 1/2 Long Phillips Pan Head Screw, 1 Lockwasher, No. 4	1.15	1.02	.87
532-4880	4880G	Thermalfilm™ Mounting Kit for TO-220: 1 Insulator Thermalfilm, 1 Shoulder Washer, 1 Flat Washer #4, 1 No. 4-40 UNC-2B Hex Nut, 1 No. 4-40 UNC-2A X 1/2 Long Phillips Pan Head Screw, 1 Lockwasher, No. 4	2.53	2.23	1.90
532-4880SG	4880SG	Thermalsil™ III Mounting Kit for TO-220: 1 Insulator In Sil-8, 1 Shoulder Washer, 1 Flat Washer #4, 1 No. 4-40 UNC-2B Hex Nut, 1 No. 4-40 UNC-2A X 1/2 Long Phillips Pan Head Screw, 1 Lockwasher, No. 4	.98	.887	.768

## THERMAL COMPOUNDS

- Shelf Life: indefinite if unopened (one year if opened)

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Description	Color	Dielectric Strength	Thermal Conductivity	Price Each	
						1	10
532-249	249G	1oz. Thermal Joint Compound	Opaque White	300V/mil	.765Wm-1°C-1	4.71	4.35
532-250	250G	2oz. Thermal Joint Compound	Opaque White	300V/mil	.765Wm-1°C-1	6.45	5.71
532-251	251G	1lb. Thermal Joint Compound	Opaque White	300V/mil	.765Wm-1°C-1	21.12	18.72
532-100500F00	100500F00000G	5oz. Thermally Conductive Compound	White	250V/mil	.73 W/(m-K)	30.35	28.52

