

AAVID 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
Rail Mounted										
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-MAXCLIP03-HG	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-MAXCLIP20G	MAX20G	H	For TO-220, Max 220	20	12	0.6	10.6	.23	.20	.17
532-MAXCLIP16G	MAX16G	I	For TO-247	10.5	17	0.5	10.1	.35	.32	.29
Screw On										
532-MAXCLIP07G	MAX07G	J	For TO-220, Max 220, Max 247	.87	12	0.5	11.2	.21	.18	.15
532-MAXCLIP08G	MAX08G	K	For TO-218, TO-247, Max 247, TO-247J	.93	18	0.5	16.9	.30	.26	.21
Clip over Edge										
532-CLP212G	CLP212G	L	For TO-220/Max220	18.9	10	0.5	4.7	.38	.35	.32
532-CLP212MG	CLP212MG	M	For TO-247/Max247	18.9	15	0.6	8.1	.33	.31	.28
532-CLP212PG	CLP212PG	N	For TO-220/Max220	18.9	10	0.5	4.7	.33	.31	.28
532-CLP212SG	CLP212SG	O	For Sensors/Thin Components	10.0	7	0.5	4.5	.25	.23	.21
532-CLP212TG	CLP212TG	P	For TO-220/Max220	14.6	10	0.6	7.6	.23	.21	.19

INSULATING SHOULDER WASHERS

- 40% Glass-filled polyphenylene sulfide
- Chemically inert

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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	Q	.280	.125	.042	.112	.150	4	.31	.289	.253
532-7721-7PPS	7721-7PPSG	Q	.215	.032	.040	.116	.139	4	.32	.292	.263
532-7721-8PPS	7721-8PPSG	R	.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

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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	S	TO-220 Mica Insulators	.745	.545	.212	.212	.120	.10	.077	.062
532-4170	4170G	S	Aluminum Oxide Ceramic for TO-220	.760	.550	.188	.275	.145	.50	.45	.393
532-4180	4180G	S	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

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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	T	TO-220 Thermalfilm™	.725	.520	.170	.115	.34	.317	.288
532-53-77-4G	53-77-4G	T	TO-220 Thermalsil™ III	.750	.500	.187	.147	.22	.19	.16
532-53-77-4ACG	53-77-4ACG	T	TO-220 Thermalsil™ III w/adhesive backing	.750	.500	.187	.147	.33	.29	.25
532-53-77-9	53-77-9G	T	TO-220 Thermalsil™ III	.750	.520	.170	.115	.32	.301	.277
532-53-77-9ACG	53-77-9ACG	T	TO-220 Thermalsil™ III w/adhesive backing	.750	.520	.170	.115	.33	.29	.25

MOUNTING PAD

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Outside Dia. IN.	Thickness	Price Each		
						1	10	100
532-7717-5N	7717-5NG	U	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.

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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

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	4.28
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
532-350	350G	2oz. Thermal Joint Compound, Silicone Free	Blue	200V/mil	0.699Wm-1°C-1	10.30	9.17
532-100500F00	100500F00000G	5oz. Thermally Conductive Compound	White	250V/mil	.73 W/(m-K)	30.35	28.52
532-349	349G	1oz. Thermalcote II	Blue	200V/mil	0.699Wm-1°C-1	8.50	7.75

