

Interface Materials

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In-Sil-8

In-Sil-8 insulating pads offer optimized thermal conductance and electrical isolation up to 6000 volts AC while being able to withstand the rigors of assembly, harsh environments and aging under continuous use. Additionally, In-Sil-8 pads are cost-effective and time saving alternatives to other interface materials; installation is 4 times faster than mica and grease and will not contaminate solder baths.

Ordering Information

In-Sil-8 pads have 12 digit ordering numbers. The 1st - 4th digits are listed in this chart, the 5th & 6th digits indicate standard configurations, and the last 6 digits are F00000. The 5th and 6th digit ordering codes along with the part dimensions are listed in the code column.

Factory Applied

Factory AppliedTo order a part with a factory applied pad, indicate the appropriate ordering code in the 8th position of the part number. The shape and hole pattern of the heat sink will determine the shape and hole pattern of the pad.If you are ordering a heat sink which mounts a semiconductor on both sides, the ordering code for two pads should be used.

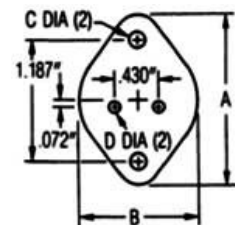
8th position ordering codes

- 0 = No Pads
- 3 = One In-Sil-8 Pad
- 4 = Two In-Sil-8 Pads

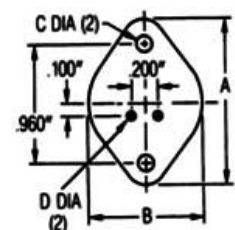
For a quote or to purchase please email estore@aavid.com or call 1-800-322-2843

Part Numbers (With adhesive factory applied to one side)	1886 (1896)	1887 (1897)	1888 (1898)	1889 (1899)
Color	Grey	Rust	Grey	Grey
Thickness (inch)	0.006	0.009	0.007	0.009
Thickness (mm)	0.15	0.23	0.18	0.23
Thermal Res. (°C/W)				
TO-3	0.40	0.21	0.33	0.50
TO-220	1.40	0.63	1.25	1.50
TO-218	0.93	0.49	0.77	1.16
Breakdown Voltage	6000	5000	4000	5000
Dielectric Constant	5.5	4.5	5.5	5.5

For TO-3

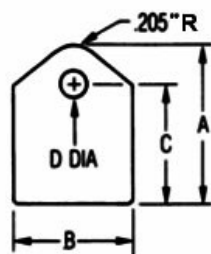


For TO-66



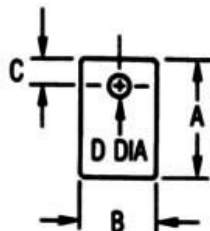
Codes	"A" Dim	"B" Dim	"C" Dim	"D" Dim
23	1.593	1.100	0.156	0.062
05	1.650	1.140	0.140	0.093
02	1.780	1.250	0.140	0.093
04	1.650	1.140	0.122	0.062
24	1.700	1.187	0.156	0.062
07	1.780	1.250	0.165	0.094
Codes	"A" Dim	"B" Dim	"C" Dim	"D" Dim
11	1.312	0.762	0.140	0.062
30	1.250	0.700	0.140	0.062

For TIP Packages



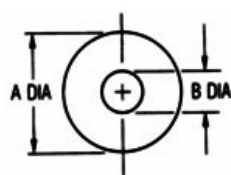
Codes	"A" Dim	"B" Dim	"C" Dim	"D" Dim
65	1.260	0.787	0.984	0.142
53	0.865	0.650	0.650	0.140
73	0.984	0.787	0.708	0.142

For TO-220, TO-218 & TO-247



Codes	"A" Dim	"B" Dim	"C" Dim	"D" Dim
60	0.437	0.312	0.140	0.122
51	0.687	0.562	0.218	0.125
35	0.710	0.500	0.160	0.141
58	0.750	0.500	0.187	0.125
54	0.750	0.500	0.187	0.147
61	0.750	0.410	0.225	0.156
90	0.860	0.740	0.200	0.160

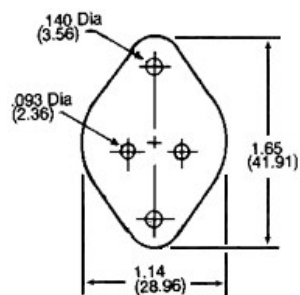
For Stud Mounted Devices



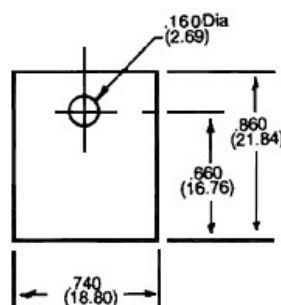
	Codes	"A" Dim	"B" Dim
DO-4	22	0.625	0.200
	20	0.510	0.200
DO-5	21	0.800	0.260
	25	1.000	0.260

Factory Applied

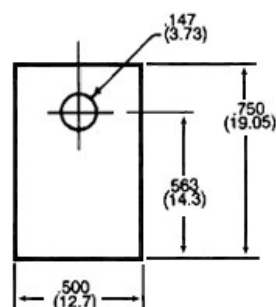
For TO-3



For TO-218



For TO-220



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