

## Interface Materials

## In-Sil-8

- > Gap Fillers
- > Thermal Greases
- > Thermal Adhesives & Epoxies
- > Attachment Tapes
- > Insulating Hardware
- > Insulating Pads & Films
- > Thermalfilm
- > Thermalfilm MT
- > Thermalsil III
- > In-Sil-8

- > Non-Insulating Pads & Films
- > Phase Change Materials

- > Request a Sample
- > Request a Quote
- > Ask an Engineer

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

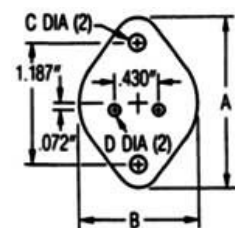
3 = One In-Sil-8 Pad

4 = Two In-Sil-8 Pads

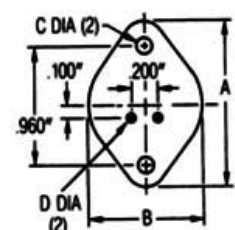
For a quote or to purchase please email [estore@aavid.com](mailto:estore@aavid.com) or call 1-800-322-2843

| Part Numbers<br>(With adhesive factory<br>applied to one side) | 1886<br>(1896) | 1887<br>(1897) | 1888<br>(1898) | 1889<br>(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

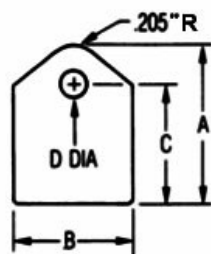


## For TO-66



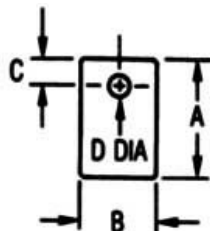
| Codes | "A" Dim | "B" Dim | "C" Dim | "D" Dim |
|-------|---------|---------|---------|---------|
| 23    | 1.593   | 1.100   | 0.156   | 0.062   |
| 05    | 1.650   | 1.140   | 0.140   | 0.093   |
| 02    | 1.780   | 1.250   | 0.140   | 0.093   |
| 04    | 1.650   | 1.140   | 0.122   | 0.062   |
| 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



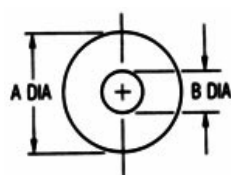
| Codes | "A" Dim | "B" Dim | "C" Dim | "D" Dim |
|-------|---------|---------|---------|---------|
| 65    | 1.260   | 0.787   | 0.984   | 0.142   |
| 53    | 0.865   | 0.650   | 0.650   | 0.140   |
| 73    | 0.984   | 0.787   | 0.708   | 0.142   |

#### 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   |

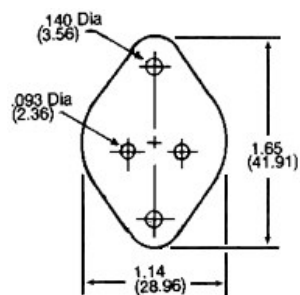
#### For Stud Mounted Devices



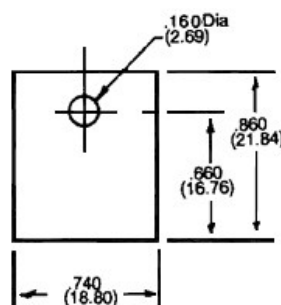
|      | Codes | "A" Dim | "B" Dim |
|------|-------|---------|---------|
| DO-4 | 22    | 0.625   | 0.200   |
|      | 20    | 0.510   | 0.200   |
| DO-5 | 21    | 0.800   | 0.260   |
|      | 25    | 1.000   | 0.260   |

#### Factory Applied

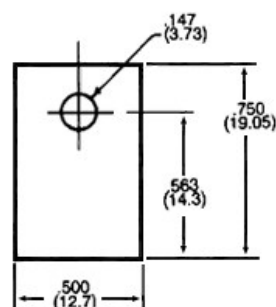
##### For TO-3



##### For TO-218



##### For TO-220



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