

Universal Heatsink, 45 Watt Power Dissipation Capacity, Uni-Guide™ Compatible

Description:

Model SUA-45-S2 is a universal heatsink, which is designed and fabricated for Eravant's active device applications with up to 45 watt power dissipation. The heatsink consists the main heatsink body, a DC fan and a heat spreader. The heat spreader is also known as adapter, which is used to bridge the mounting gap between the heat sink main body and the to-be-heat-sunk devices, such as power amplifier, frequency active multiplier, oscillator, transmitter and transceiver due to various mounting hole locations. The heat spreader offers various mounting patterns to accommodate more than 15 product models. This heatsink is not only designed for Eravant's standard products and Uni-Guide™ featured products, but also for many industrial standard microwave and millimeterwave products offered by other manufacturers. Other heatsinks with different power dissipation capacities are offered under different model numbers.



Features:

- High Power Dissipation Efficiency
- DC Powered Cooling Fan
- Heat Spreader for Various Mounting Patterns
- Easy Mounting and Dismounting

Applications:

- Single Function Components
- Sub-assemblies
- Lab Use

Electrical Specifications:

| Item | Specification |
|------------------------|------------------------------------------------------------------|
| Fan Power | +12 V _{dc} |
| Fan Power Designations | Red Lead (Positive); Black Lead (GND); Yellow Lead (N/A or Tach) |
| DC Connector | Molex 5051-03 |
| Fan Detachability | Yes |

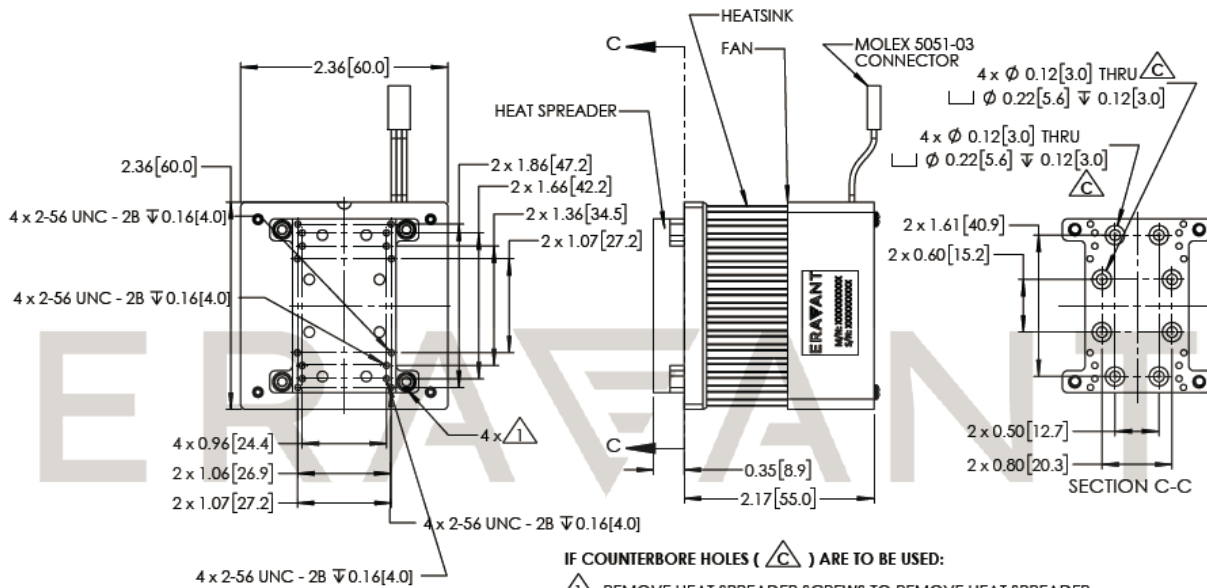
Mechanical Specifications:

| Item | Specification |
|----------------|-----------------------------|
| Mounting Screw | 4-40 x 3/16" Long, 4 Pieces |
| Material | Aluminum |
| Finishing | Clear Chem Film |
| Weight | 8.1 Oz |
| Dimensions | 2.36" x 2.36" x 2.33" |
| Outline | UA-45-2 |



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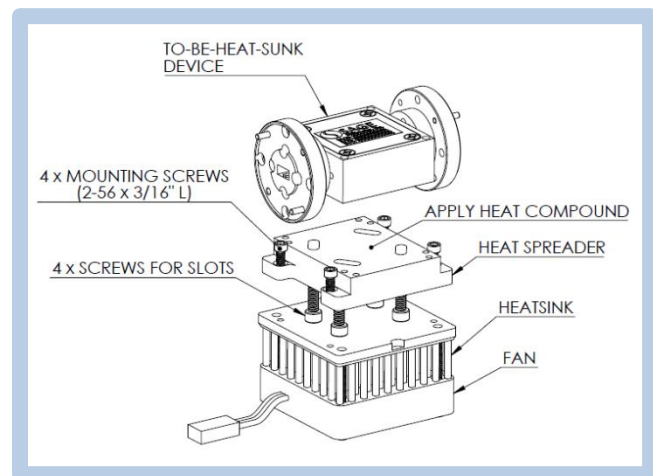
Mechanical Outline: (Unless otherwise specified, all dimensions are in inches)



| MOLEX 5051-03 | |
|---------------|---------|
| WIRE | SIGNAL |
| BLACK | GND |
| RED | +12 VDC |
| YELLOW | TACH |

Mounting Instructions:

- Remove the heat spreader from the heatsink by unscrewing the four provided 2-56x3/16" long mounting screws.
- Mount the heat spreader onto the to-be-heat-sunk device by inserting 4-40 screws from the slotted surface to form the sub-assembly. Apply heat compound material between the two surfaces for better heatsink efficiency.
- Remount the sub-assembly onto the heatsink main body. Apply heat compound material if desired.



Note:

- Eravant reserves the right to change the information presented without notice.



www.eravant.com | 501 Amapola Avenue, Torrance, CA 90501
Phone: 424-757-0168 | Fax: 424-757-0188 | Email: support@eravant.com