

## 1. Introduction

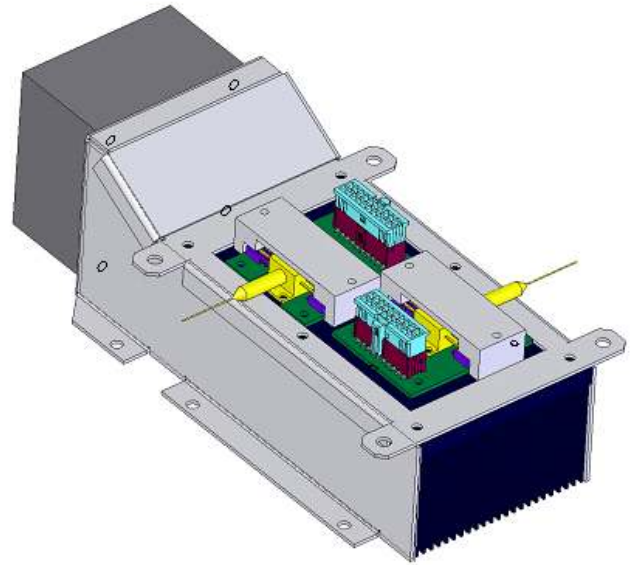
**Model DBH-022** is a compact high performance heatsink with dual butterfly mounting stations.

The fan/ heatsink combo has a low thermal resistance of  $0.22^{\circ}\text{C}/\text{w}$  from butterfly case to ambient.

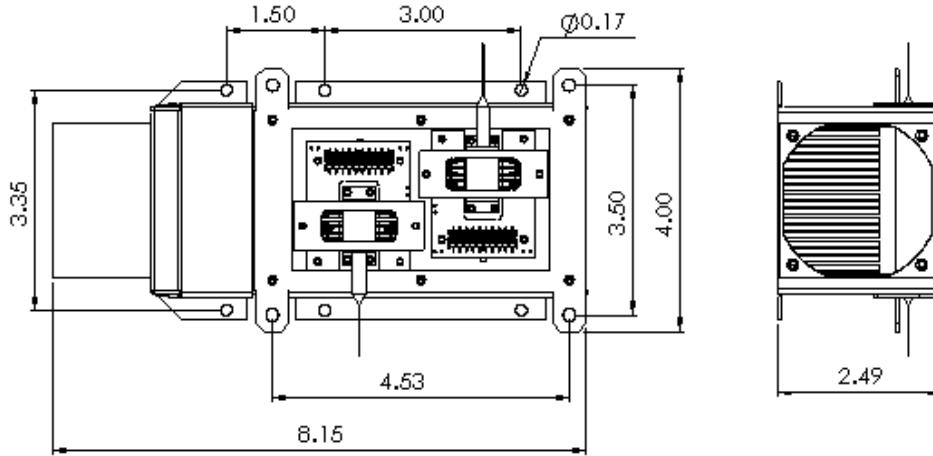
The compact 40mm x 50mm butterfly mounting module consists of the following:

- ★ It has 2 rows of zero insertion force PCB headers that matches the butterfly's pin pattern; the contacts of the headers are spring loaded for maintaining robust electrical continuity.
- ★ An easy to use plastic clamp is provided for clamping the butterfly contact against the spring-loaded contacts of the header.
- ★ All butterfly connections are routed to the 20-pin connector at the end of PCB.
- ★ A cable with the mating connector is available upon request as an accessory.
- ★ The module also provides reverse bias protection for diode.

**DBH-022** provides a convenient way of installing and replacing butterfly packages with ease. And the spring contacts cause very little thermal stress to the hermetic feed thru as soldering the leads directly to PCB do.



## 2. Outline and user interface dimensions



### 3. Cooling Fan Specifications

Parameters	Standard
Rated voltage	12VDC
Operating voltage range	5.5~13.8 VDC
Input power	9.9w
Rated current	.83A
Noise	47dBA

### 4. User connection pin outs

20 Pin connector	Designation	Butterfly pin #
1	Thermistor	5
2	PD cathode -	4
3	PD Anode +	3
4	Thermistor	2
5	TEC +	1
8	TEC -	14
9	Case ground	13
10	N/C	N/C
11	Laser Cathode -	11
12	Laser Cathode -	11
13	Laser Anode +	10
14	Laser Anode +	10

Please note that only the butterfly packages that comply with the listed butterfly pin outs can be used on this PCB, users are recommended to check the butterfly pin outs

carefully before making the connections. Other butterfly pin outs can be accommodated upon request.

## **5. Pricing and Contacts**

The listed price for low quantity is \$398.98. Please contact Elite for high volume pricing, availability and customization options.

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