

**Model 708**

# 8-Channel Butterfly Telecom Laser Diode Mount



The **Model 708 8-Channel Telecom Laser Diode Mount** is designed to hold up to 8 butterfly-type telecommunications laser diodes. The mount includes rack-mount ears, and can be easily installed into a standard instrumentation rack. Eight fiber optic bulkhead connectors are mounted onto the front panel, with available

choices including: FC/PC, FC/APC, SC/PC, SC/APC, or ST/PC external fiber connectors. The 708 mount offers an easy-to-use platform that is compatible with all of Newport's benchtop laser diode instrumentation and with our test and measurement and burn-in rack type systems.

## Specifications

<b>Laser Diode Packages</b>	
Styles Supported	14-Pin butterfly package
<b>Laser Housing</b>	
Mounting Plates	8 butterfly flatpack socket
<b>Connectors</b>	
Electrical Connections	15-pin male D-sub, LDD and TEC control
External Fiber Optic Connector	FC/PC, FC/APC, SC/PC, SC/APC or ST/PC
Internal Fiber Optic Connector	FC/PC, FC/APC, FC/PC, FC/APC or FC/PC
<b>General</b>	
Size (H x W x D) [in. (mm)]	1.75 (43) x 19 (483) x 12.5 (318)
Weight [lb (kg)]	9 (4.1)

## Key Features

- Cost and space effective method for holding up to 8 laser diode packages
- Efficient heat transfer—resulting in stable temperature control
- Rack mountable in a single rack space (1.75 in.)
- Reconfigurable design supports numerous butterfly package styles—having various dimensions and pin-out configurations

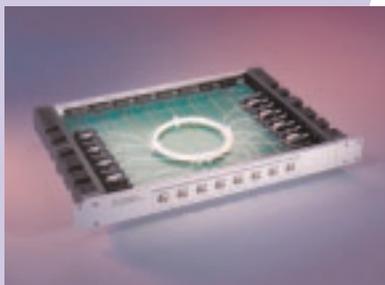
\* If the LD pin-out you require is not listed here, contact Newport. Abbreviations used:

- TE+ Thermo-electric cooler +
- TE- Thermo-electric cooler -
- THM+ Thermistor +
- THM- Thermistor -
- PDA Monitor photodiode anode
- PDC Monitor photodiode cathode
- LDA Laser diode anode
- LDC Laser diode cathode
- CASE Butterfly package case
- N/C No connection

### Related Products

Newport Model 708 Telecom Laser Diode Mounts are ideal for use with Newport's Model 8016 Telecom Laser Diode Controller. In addition, this mount can be used with all of Newport's modular and benchtop laser diode drivers and temperature controllers.

Please see page 69 for Cable Diagrams



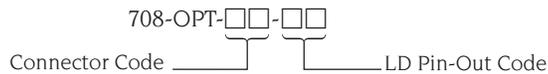
Laser diodes not included

## Ordering Information

Model	Description
708-OPT	8-Channel Butterfly Telecom Laser Diode Mount with one set of configurator blocks
708-CONF	Additional set of pin-out configurator blocks

## Ordering Instructions

To order the mount with the fiber optic connector of your choice, please indicate the following Model number:



### Fiber connector options

Order Code	Internal	External
25	FC/PC	ST/PC
45	FC/PC	FC/PC
55	FC/APC	FC/APC
65	FC/PC	SC/PC
75	FC/APC	SC/APC

Example: 708-OPT-45-02

8-channel 708 Butterfly Telecom Laser Diode Mount with eight FC/PC type bulkhead connectors and type 02 configurator block pin-out

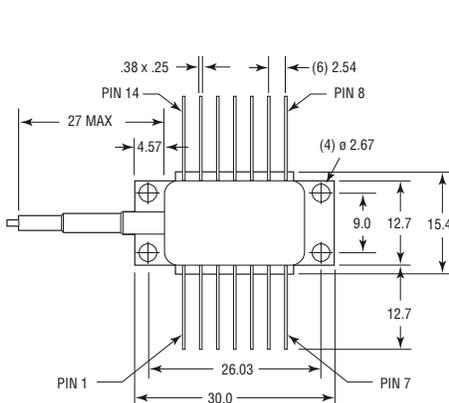
\* To order configurator blocks separately, please indicate the following Model number:



## Accessories

Model	Description
708-04-Y	LDD/TEC Y-Cable <sup>(1,2)</sup>
8016-04	LDD/TEC Cable for connecting to 708 Series 8-Channel Butterfly Mount; LDD/TEC Cable for use with Model 8016 <sup>(1)</sup>

- 1) Requires one cable per LD channel
- 2) Compatible with all Model 300, 500, 5000, 3150, 6000, 8000 and 8008 Series LDD and TEC instruments and plug-in modules



Contact factory for additional configurations.

Pin #	LD Pin-Out Code				
	01	02	03	04	05
1	TE+	THM-	TE+	TE-	TE+
2	THM+	THM+	N/C	N/C	N/C
3	PDA	LDC	N/C	N/C	N/C
4	PDC	PDA	N/C	N/C	THM+
5	THM-	PDC	CASE	LDA	CASE
6	N/C	TE+	N/C	N/C	THM-
7	N/C	TE-	PDC	N/C	PDC
8	N/C	CASE	PDA	N/C	PDA
9	N/C	N/C	LDC	LDC	LDC
10	LDA	N/C	LDA	LDA	CASE
11	LDC	LDA	THM+	THM+	LDA
12	N/C	N/C	THM-	THM-	N/C
13	CASE	LDA	N/C	N/C	N/C
14	TE-	N/C	TE-	TE+	TE-