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Find the *Newport 708* at our website: *Click HERE*

Model 708

8-Channel Butterfly Telecom Laser Diode Mount



- 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 with various dimensions and pin-out configurations

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 systems.

Specifications

Laser Diode Packages	
Styles Supported	14-Pin butterfly package
Laser Housing	
Mounting Plates	8 butterfly flatpack socket
Connectors	
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
General	
Size (H x W x D) [in. (mm)]	1.75 (43) x 19 (483) x 12.5 (318)
Weight [lb (kg)]	9 (4.1)

Ordering Information

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

Ordering Instructions

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

708-OPT-□□-□□
Connector Code — LD Pin-Out Code

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

708-CONF-□□
LD Pin Out Code

Example: 708-OPT-45-02

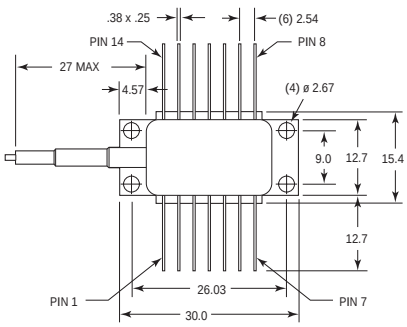
8-channel 708 Butterfly Telecom Laser Diode Mount with eight FC/PC type bulkhead connectors and type 02 configurator block pin-out



Laser diodes not included

* 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



Contact factory for additional configurations.

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

Please see page 347 for Cable Diagrams

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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.

Accessories

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

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

LD Pin-Out Code

Pin #	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-

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