

laser diode mounting fixtures



LDM-4980 Series Telecommunication Laser Diode Mounts

- Accommodates TO-can, DIL and butterfly packaged laser diodes and quantum cascade lasers
- Case temperature control option available on most models
- User configurable pin-out
- Easy insertion and removal of laser packages
- Standard laser current and temperature control connectors
- Bias-T modulation option available on select models

	LDM-4982	LDM-4982M	LDM-4983	LDM-4984	LDM-4984RF
Package Style	DIL	Mini-DIL	7 or 13-Pin Butterfly	14-Pin Butterfly	14-Pin Butterfly Bias-T Modulated
Case Temperature Control	Optional	Yes	Optional	Optional	Optional
Bias-T Option Available	Yes	No	No	Yes	No
Optical Table Mount	Optional	Standard	Optional	Optional	Optional
	LDM-4986	LDM-4989			
Package Style	Fiber-Coupled Flanged	20- or 26-Pin Butterfly			
Case Temperature Control	Standard	Optional			
Bias-T Option Available	No	No			
Optical Table Mount	Standard	Optional			
	LDM-4405	LDM-4407	LDM-4412	LDM-4872	LDM-4990
Package Style	TO-can	TO-can	TO-can	QCL	TO-can
Case Temperature Control	Standard	Standard	Standard	Standard	Standard
Temperature Control Range	10°C to 85°C	0°C to 70°C	0°C to 70°C	-30°C to 30°C	-20°C to 85°C
Water Cooling	No	No	Optional	Standard	Yes
Nitrogen Purge Connection	Yes	Yes	Yes	Yes	Yes
Collimating Lens Option	No	No	Yes	Yes	No
X-Y-Z Adjustable Lens	No	No	Yes	Yes	No
Optical Table Mount	Post Mount	Yes	Yes	Yes	No


Laser Diode Instrumentation & Test Systems



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株式会社オプトサイエンス
<http://www.optoscience.com>

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high power laser diode mounting fixtures



- Compatible with many industry standard package styles
- 10W to 100W heat dissipation
- Compatible with ILX high power drivers and temperature controllers through interconnect cabling
- 7A to 100A maximum current
- Case temperature control available on most mounts
- Optical table mounting

LDM-4415 Laser Diode Mount

	LDM-4409	LDM-4415	LDM-4442	LDM-49840	LDM-49860
Package Style	C-mount (C-block)	CS Bar	HHL, TO-3, other high power packages	6-pin, 8-pin, 14-pin high power butterfly	High power 2-pin modules
Maximum Current	10A	100A	7A	12A	20A
Maximum Power	10W	100W	50W	60W	40W
Cooling	Air / TEC	Water / TEC	Water	Water / TEC	Water / TEC
Case Temperature Control	Standard	Standard	-----	Optional	Optional
Temperature Range ¹	10°C to 85°C	20°C to 85°C	-----	15°C to 85°C	15°C to 85°C
Optical Table Mounting	Yes	Yes	Yes	Yes	Yes

1. Wider temperature ranges can be achieved at lower operating powers.

For more information on our complete line of laser diode mounting fixtures, visit us online at www.ilxlightwave.com or call one of our sales engineers at 1-800-459-9459.

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Mounting Considerations for
High Power Laser Diodes

APPLICATION
NOTE

ILX Lightwave
Laser Diode Instrumentation & Test Systems