

Features and Benefits

- AlGaInP Laser Diodes in ready-to-use, fiber coupled packages, including FC, ST, SC and other receptacles, as well as pigtailed units.
- Standard single mode and multimode fibers
- Non-standard lasers or parts can be packaged to a customer's specifications using standard or custom receptacle or pigtailling techniques.
- Standard Wavelengths - 635, 650, and 670 nm.
- Fiber-coupled continuous wavelength (CW) output powers from 0.5 - 10 mW, depending on laser and fiber type used.

Applications

- Fiberoptic visible fault locators
- Optical sensing devices
- Process control instruments
- Medical systems
- Imaging and scanning systems
- Optical alignment systems

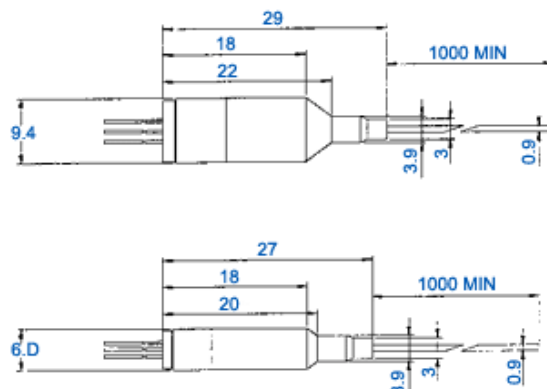
PLD L63, L65, L66 & L67 Series Visible Laser Diodes



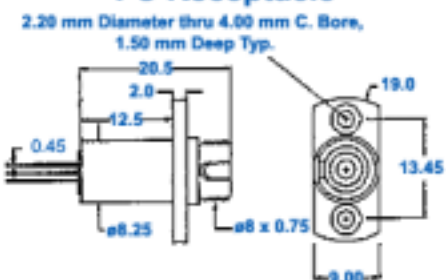
DIMENSIONS

These detectors use a proprietary microwelded subassembly to provide optoelectronic devices in active mount receptacles (SC, ST, FC, SMA, DIN, etc.) or with a pigtail. This technique can be used with a variety of TO-package types including those with flat window or lensed caps. For custom applications, direct coupling to the active chip-on header (CD or TO package) is available. Each TO-packaged device is aligned, then welded within a universal alignment sleeve. This assembly is then placed into an active-mount receptacle or is fiber pigtailed.

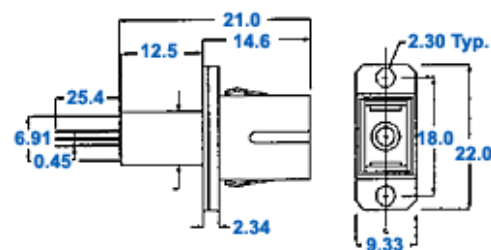
Fibered Packages 9.00 mm (top) 5.6 mm (bottom)



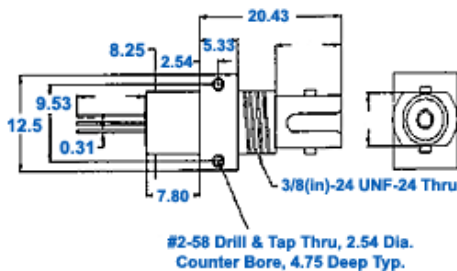
FC Receptacle



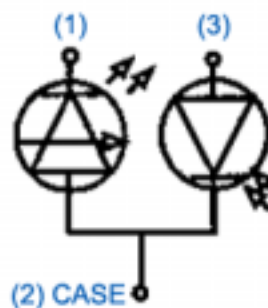
SC Receptacle



ST Receptacle



Pin Connection Type A (5.6mm) & B (9.0mm)

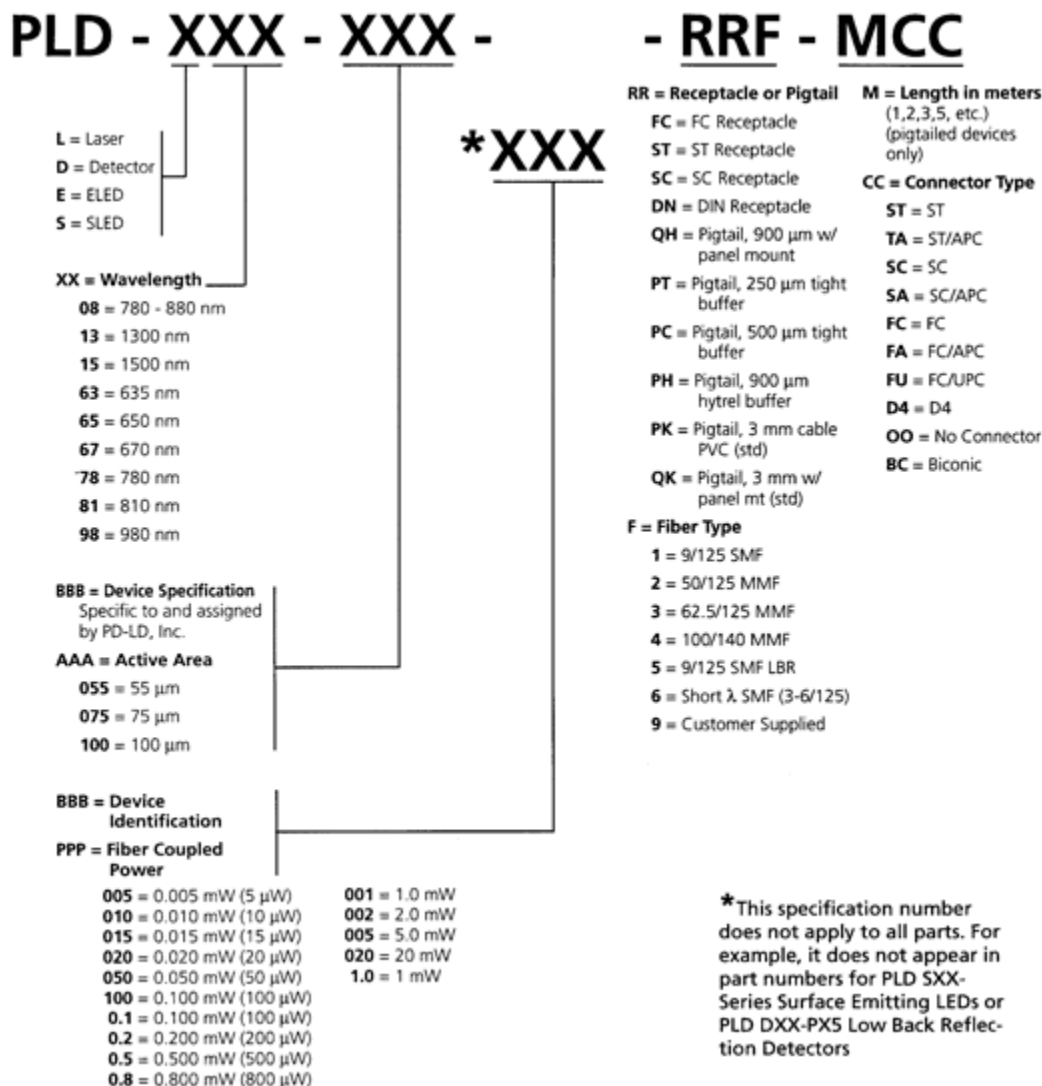


SPECIFICATIONS

PD-LD Part No.	Laser Power Wavelength (nm)			Min Fiber Coupled Power (mW)	Type	Package/Pinout	Threshold/Operating Current (mA)	Monitor PD Current (mA)
	Min	Typ	Max					
Continuous Wavelength AlGaInP 635 - 670 nm Visible Lasers @ 25°C								
PLD-L63-312-0.2PH61	5			0.2	AlGaInP	9.0 mm	45/55 typ.	Silicon
	625	633	640	coupled 3/125 SMF	MQW	B	70/85 max.	0.6
PLD-L63-312-0.5-ST1	5			0.5	AlGaInP	9.0 mm	45/55 typ.	Silicon
	625	633	640	into 9/125 SMF	MQW	B	70/85 max.	0.6
PLD-L63-312-0.8-PH1-100	5			0.8	AlGaInP	9.0 mm	45/55 typ.	Silicon
	625	633	640	coupled 9/125 SMF	MQW	B	70/85 max.	0.6
PLD-L65-421-0.5-FC1	5			0.5	AlGaInP	9.0 mm	45/60 typ.	Silicon
	640	650	660	into 9/125 SMF	MQW	B	65/80 max.	1.1
PLD-L65-421-0.8-PH1-100	5			0.8	AlGaInP	9.0 mm	45/60 typ.	Silicon
	640	650	660	coupled 9/125 SMF	MQW	B	65/80 max.	1.1
PLD-L66-16R-2.0-PH6-100	35			2.0	AlGaInP	5.6 mm	45/85 typ.	Silicon
	645	658	666	coupled 3/125 SMF	MQW	C	70/120 max.	0.3
PLD-L67-71S-0.2-SC	5			0.2	AlGaInP	5.6 mm	35/45 typ.	Silicon
	660	670	675	into 9/125 SMF	MQW	B	45/55 max.	0.3
PLD-L67-715-0.5-PH1-100	5			0.5	AlGaInP	5.6 mm	35/45 typ.	Silicon
	660	670	675	coupled 9/125 SMF	MQW	B	45/55 max.	0.3
Specifications above are examples only; most device/packaging combinations available.								

ORDERING INFORMATION

Part Number System



FOR ADDITIONAL INFORMATION ON THIS OR OTHER PRODUCTS AND THEIR AVAILABILITY, PLEASE CONTACT FIBER OPTIC CENTER, INC.