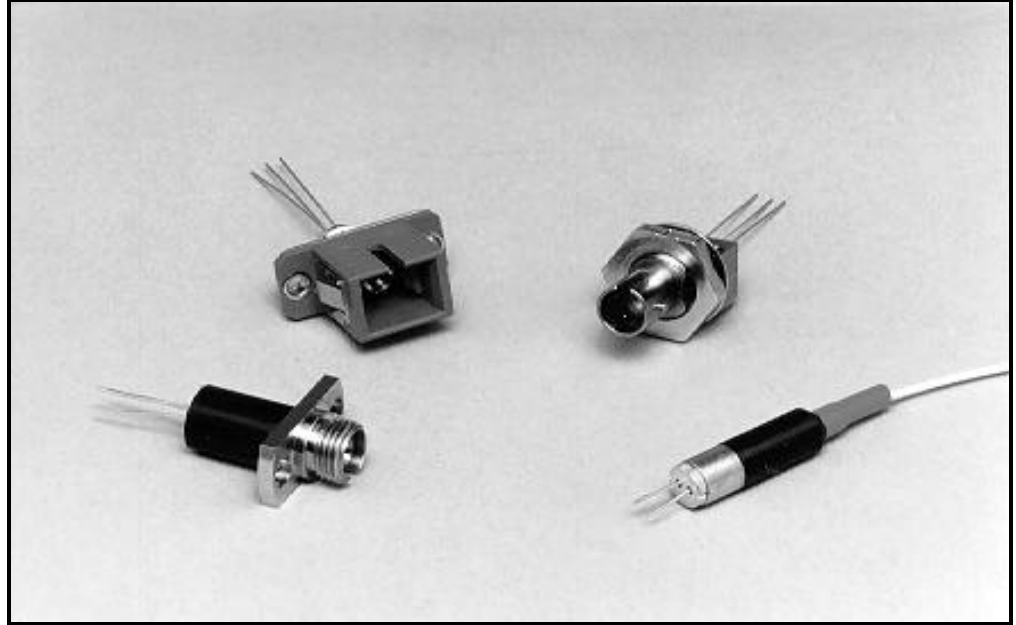


PD-LD Inc. offers 1300nm Edge Emitting LEDs, ELEDs, in ready-to-use fiber coupled packages, including FC, ST and SC receptacles as well as fiber-pigtailed units. These 1300nm ELED devices have been packaged for optimal coupling into 9/125um optical fiber for use in singlemode fiber optic applications. The semiconductors inherently fast rise and fall time make them ideal for high bandwidth applications. The wide optical spectrum, 60nm FWHM, of the semiconductor make them ideal for many noise sensitive applications. The InGaAsP ELED's offered by PD-LD are of proven design and manufacture. These units are backward compatible with those applications previously using devices offered by Agilent (HP) , OKI and JDS Uniphase. They typically couple 8 to 10uW into SMF.



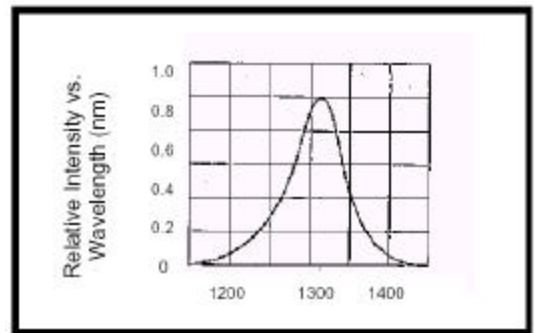
**Features**

- High reliability InGaAsP Diode
- Compact, robust receptacle & coax fiber-coupled package
- 5 to 20 uW into SMF

**Applications**

- Fiberoptic communications systems
- Analog Transmission
- Ethernet Networking

All PD-LD ELED's incorporate a hermetically sealed semiconductor mounted in a TO can sub-assembly. These subassemblies are micro-positioned to various lens assemblies depending upon the package style and desired coupling efficiency. Fiber pigtailed devices are available with several choices of brackets to facilitate panel or pc board mounting.

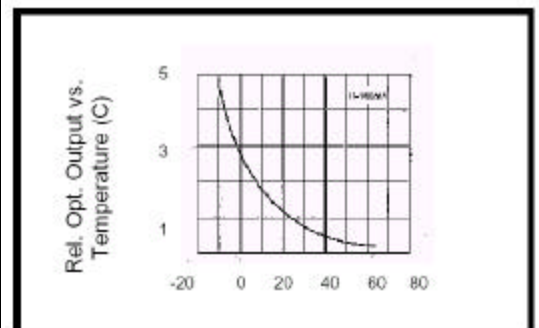
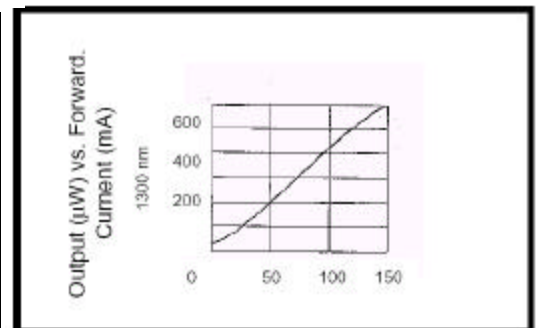


**Performance Specifications**

InGaAsP 1300nm ELEDs@25 C, 100mA  
Center Wavelength 1300+/- 30nm , Spectral Width 60nm typ. 100nm max.

| PD-LD Part No.      | Fiber Coupled Power (uw) |      |      | Package Style             | Mounting Features          |
|---------------------|--------------------------|------|------|---------------------------|----------------------------|
|                     | Min.                     | Typ. | Max. |                           |                            |
| PE13W0051FCA-0-0-01 | 5                        | 8    | -    | Pigtailed FC/PC Connector | Co-Axial Bracket available |
| PE13W010ST71-Q-0    | 10                       | 15   | -    | Receptacle ST Style       | PC Board Mountable         |
| PE13W015FC11-Q-0    | 15                       | 20   | -    | Receptacle FC Style       | Panel Mounting             |
| PE13W010FC21-Q-0    | 10                       | 15   | -    | Receptacle FC Style       | Board Mountable            |
| PE13W0151STA-0-0-01 | 15                       | 20   | -    | Pigtailed ST/PC Connector | Co-Axial Bracket Available |

**Typical ELED Characteristics**



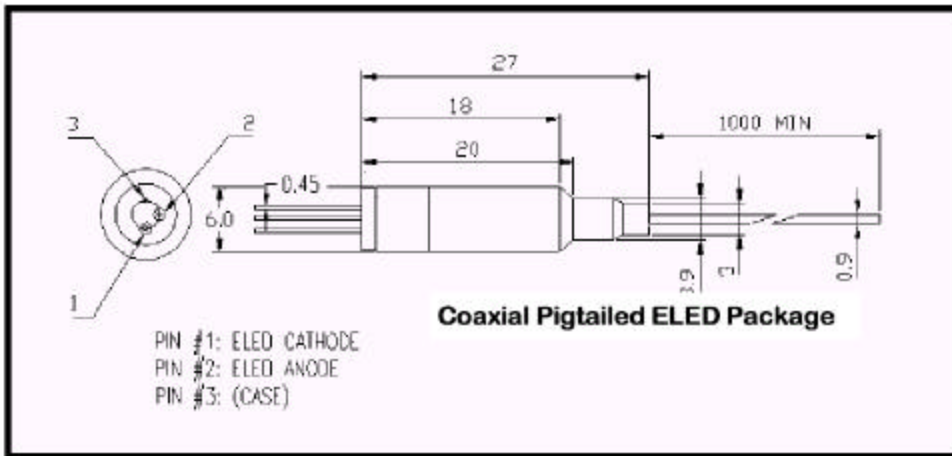
<sup>1</sup>Examples only; most device/package combinations available.

Changes to specifications may be made without notice.

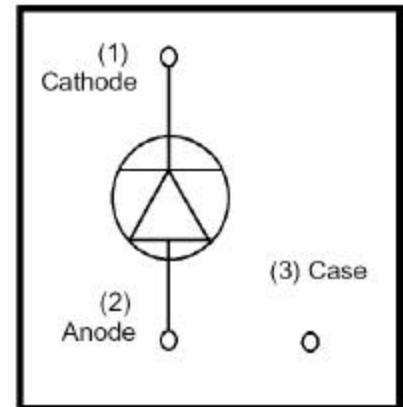
03-02 PELED Rev 2

**Physical Dimensions (mm)**

A press-fit panel mount is available; see ordering information.

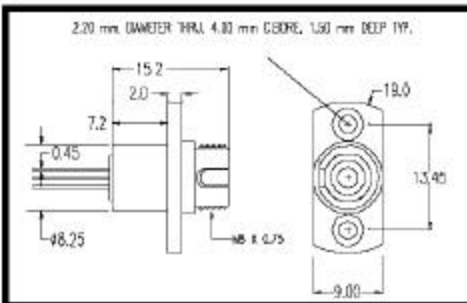


**Pin Assignment**

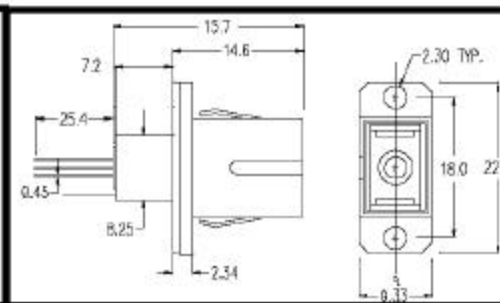


**ELED Pinout**

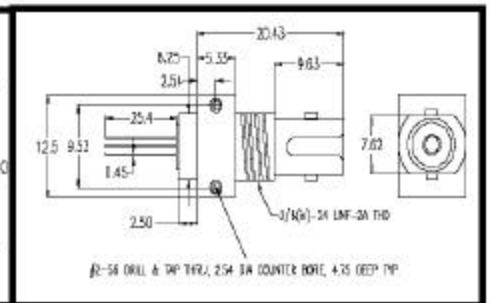
**FC Receptacle**



**SC Receptacle**



**ST Receptacle**



**Ordering Information**

**ELEDs Pigtailed**

**PEWWWPPPFCCB-0-V-LL**

**E = Edge Emitting LED**  
**WWW=Wavelength and Pin-out**

**1300nm: 13W**

**Receptacle ELEDs**

**PEWWWPPRRRF-O-V**

**PPP = Fiber-Coupled Power**

**005 = 5uW    015 = 15uW**  
**008 = 8uW    020 = 20uW**  
**010 = 10uW**

**F = Fiber Type**

- 1 = 9/125 SMF
- 2 = 50/125 MMF
- 3 = 62.5/125 MMF
- 4 = 100/140 MMF
- 9 = Customer Supplied

**B = Bracket Type**

- A = None
- B = Panel Mount
- C = Board Mount

**RRR=Receptacle Type**

- FC1=FC Panel mount
- FC2=FC Board mount
- SC1=SC Panel mount only
- SC2=SC Panel/board mount
- ST7=ST low profile
- ST8=ST high profile

**O=Orientation**

- 0=N/A
- A=Bracket Shipped Loose (pigtailed unit)
- Specify orientation as required

**V=Version**

- 0=Standard
- Unique Codes for specific requirements

**LL = Length in meters** (01,02,0.5 etc.) (pigtailed devices only)

**CC = Connector Type** (pigtailed devices only)

**ST = ST/PC    SC = SCPC    SA=SC/APC    FC = FC/PC    FA = FC/APC    FU = FC/UPC    OO = No Connector**  
**TA = ST/APC    SA = SC/APC    FA = FC/APC    D4 = D4    BC = Biconic**