

ADVANCE PRODUCT RELEASE INFORMATION

EDL1300CD-FC/EDL1300FJ-S

EDL1300CD

EPITAXX

EDL1300CD-FC:	1300 nm Laser Diode in a FC Receptacle
EDL1300FJ-S/M:	1300 nm Laser Diode with an integral fiber: pigtail (FJ: 0.9 mm diameter buffered fiber; FC: 3.0 mm diameter cabled fiber)
EDL1300CD:	1300 nm Laser Diode in Micro-CD Package

DESCRIPTION

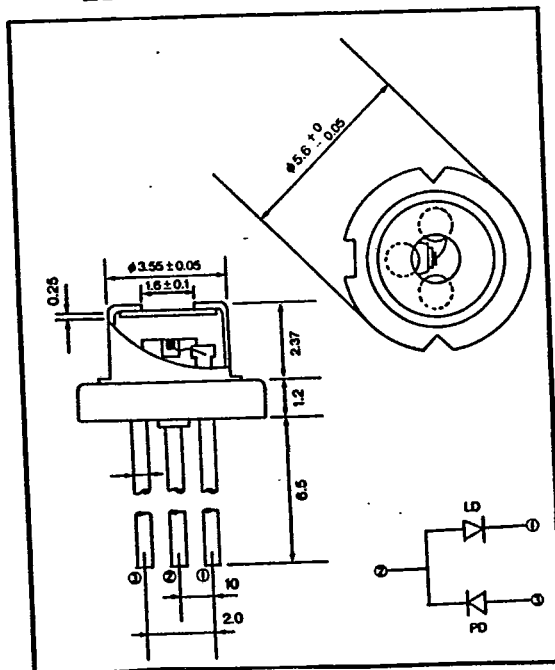
The EDL 1300CD is an InGaAsP Laser Diode designed for use in local optical communications systems. The laser diode and monitor photodiode are hermetically sealed in a compact disk package.

FEATURES**EDL1300FJ-S & EDL1300CD-FC**

- 100 uW into SMF
- 300 uW into MMF (GI 50/125)
- Cabled pigtail available with connector termination

EDL1300CD

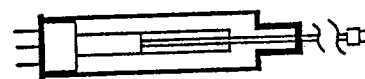
- 2 milliWatt @ 35 mA
- Convenient isolated micro-CD package
- InGaAs monitor photodiode

DIMENSIONS**EDL1300CD**

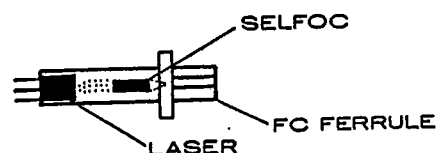
DIMENSIONS IN MM

EDL1300FJ-S/EDL1300CD-FC**Singlemode Pigtail**

Micro CD + GRIN + fiber ferrule

**FC-Receptacle**

Micro CD + GRIN + FC mount

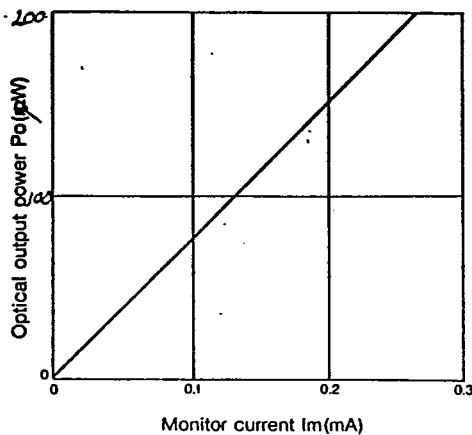


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SPECIFICATIONS

At 25°C and 2 mW unless otherwise indicated.

Optical output power vs. monitor current



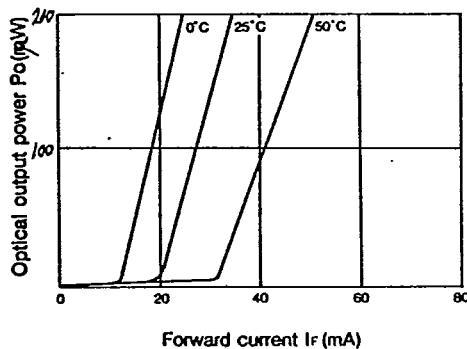
Parameter	EDL1300CD			Unit
	Min	Typ	Max	
Peak Wavelength	1270	1300	1330	nm
Spectral Width			5	nm
Optical Power	1.5	2.0		mW
Threshold Current		20	45	mA
FWHM Parallel		25	35	degree
FWHM Perpen.		35	45	degree
Rise/Fall Time*		0.5 0.8	1 1	nS nS
Monitor Current	200			uA
Dark Current**		5	15	nA

* $I_{bias} = I_{th}$

**@ -5V

MAXIMUM RATINGS

Optical output vs. forward current

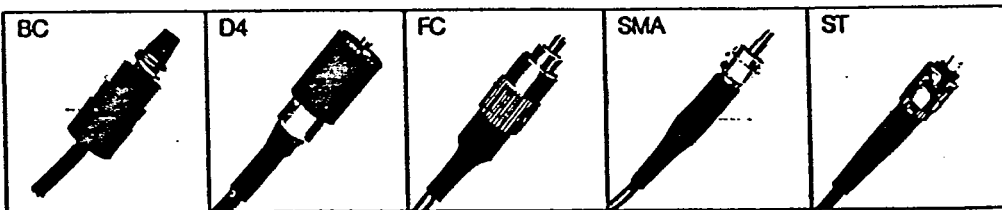
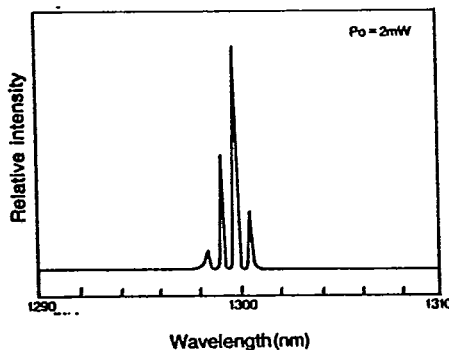


Parameter		EDL1300CD		Unit
Forward Current	LD	100		mA
	PD	10		
Reverse Voltage	LD	2		V
	PD	15		
Operating Temperature		-20/+50		°C
Storage Temperature		-40/+100		°C

OPTIONS

These devices can be pigtailed with either Single- or Multi-mode fiber in a 3mm tight cable with a variety of popular connector terminations: FC, PC, ST, Biconic, D4, etc.

Emission spectrum



The devices also are available in FC-type active receptacles for direct mating with an FC/PC singlemode connector or and FC multimode connector

DISCLAIMER

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