



Features

- 1550nm Wavelength
- High Optical Power
- High Operating Current
- High Operating Temperature
- Low Modal Noise
- Bare fiber pigtailed without connector
- For Datacom or Measurement Applications
- RoHS Compliant available

Absolute Maximum Ratings (Tc=25 °C)

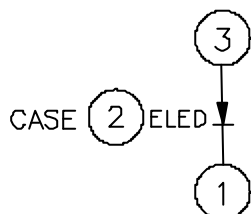
Parameter	Symbol	Condition	Rating	Unit
Reverse Voltage	V_r	CW	2.5	V
Forward Current	I_f	CW	150	mA
Operating Temperature	T_{opr}	-	-20 ~ 70	
Storage Temperature	T_{stg}	-	-40 ~ 85	

(All optical data refer to coupled 9/125 μ m SM fiber)

Optical and Electrical Characteristics $\lambda=1550$ nm (Tc=25 °C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Wavelength		1510	1550	1580	nm	CW
Spectral Width		45	-	100	nm	CW (FWHM)
Operating Current	I_{op}	-	80	100	mA	CW
Output Power	P_o	30	-	-	μ W	CW at $I_{op}=80$ mA
Spectral Ripple		-	-	10	%	± 10 nm
Forward Voltage	V_f	-	1.2	2	V	CW
Rise Time	T_r	-	1.5	-	ns	-
Fall Time	T_f	-	2.5	-	ns	-
Output Power Variation		-	4	-	dB	25 °C to 70 °C, $I_{op}=30$ mA

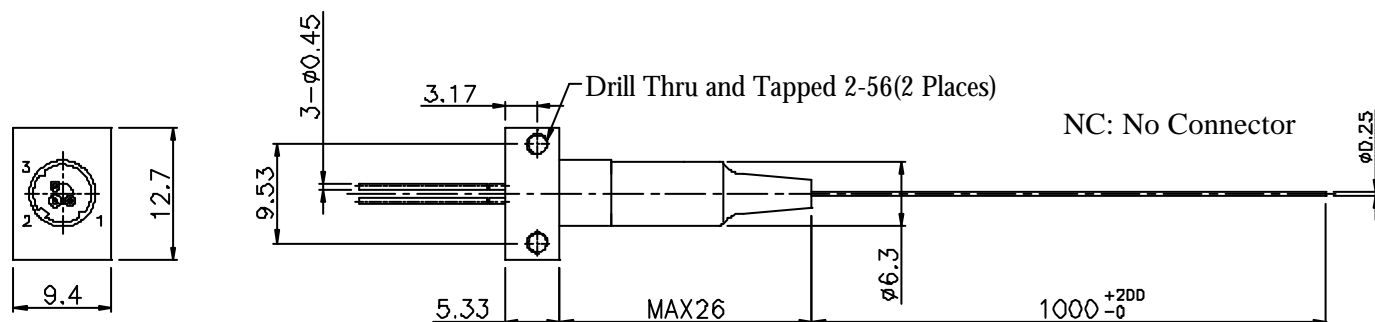
Pin Assignment



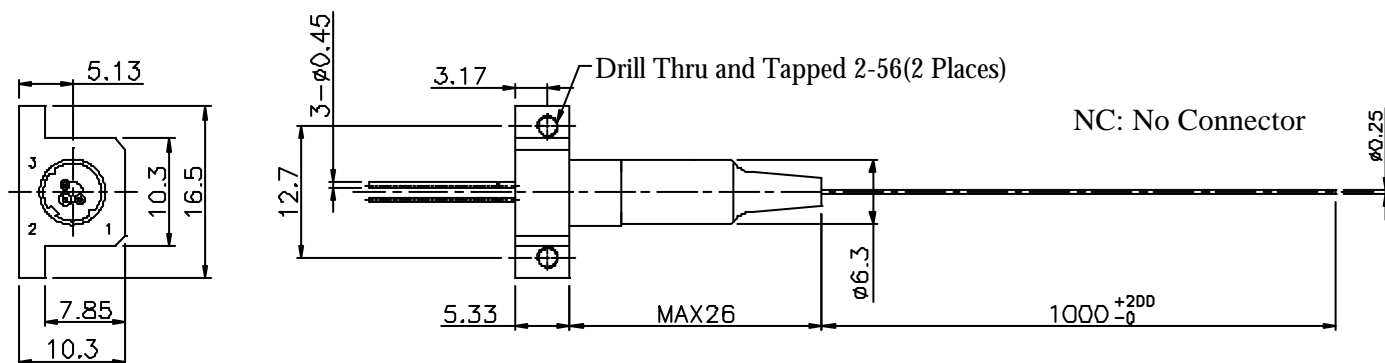
Pin 1: ELED Cathode
Pin 2: Case
Pin 3: ELED Anode

Packaging Dimension (Units in mm)

Flange Type : C - SP package



Flange Type : D - SPF package



Ordering Information

EDP-L-55B-H-SNCX-NS-01-XX

Family
EDP=ELED Pigtail

Wavelength
55: 1550nm

Power
H

Connector
NC

Face
N=NC

Device
L=Long

Tolerance
B= +/- 40nm

Fiber
S=9/125um

Package Option
C=SP
D=SPF

Length
S: 100cm

RoHS Compliant

Blank/G5/GR

Blank = RoHS non-compliant product

G5 = RoHS 5/6-compliant product (lead exemption)

GR = Full RoHS compliant product (no exemption)

Warnings

Handling Precautions: This device is susceptible to damage as a result of electrostatic discharge (ESD). A static free environment is highly recommended. Follow guidelines according to proper ESD procedures.

Laser Safety: Radiation emitted by laser devices can be dangerous to human eyes. Avoid eye exposure to direct or indirect radiation.

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