

EDP-L-XXB-X-SXXX-XS-XX

Features

- 1300nm or 1550nm Wavelength
- High Optical Power
- High Operating Current
- High Operating Temperature
- Low Modal Noise
- Single mode fiber pigtailed with optional FC/ST/SC/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	°C
Storage Temperature	T_{stg}	-	-40 ~ 85	°C

(All optical data refer to a coupled 9/125μm SM fiber)

Optical and Electrical Characteristics 1300nm

Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Wavelength	λ	1260	1300	1340	nm	CW
Spectral Width	$\Delta\lambda$	30	-	70	nm	CW(FWHM)
Operating Current	I_{op}	-	80	100	mA	CW
Output Power	P_o	10	-	-	μW	CW at $I_{op}=80\text{mA}$
L		50	-	-		
M		100	-	-		
H		150	-	-		
Spectral Ripple		-	-	10	%	$\lambda \pm 10\text{nm}$
Forward Voltage	V_f	-	1.2	2.0	V	CW
Rise Time	T_r	-	1.5	-	ns	
Fall Time	T_f	-	2.5	-	ns	
Output Power Variation		-	10	-	dB	25°C to 70°C

(All optical data refer to a coupled 9/125μm SM fiber)

Optical and Electrical Characteristics 1550nm

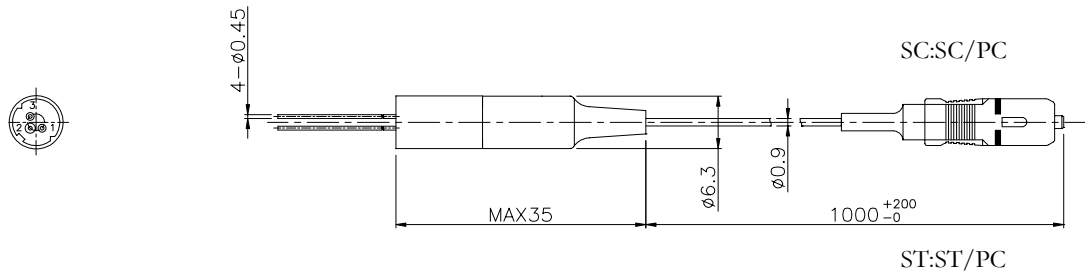
Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Wavelength	λ	1510	1550	1580	nm	CW
Spectral Width	$\Delta\lambda$	45	-	100	nm	CW(FWHM)
Operating Current	I_{op}	-	80	100	mA	CW
Output Power	P_o	10	-	-	μW	CW at $I_{op}=80\text{mA}$
L		20	-	-		
M		30	-	-		
H		-	-	-		
Spectral Ripple		-	-	10	%	$\lambda \pm 10\text{nm}$
Forward Voltage	V_f	-	1.2	2.0	V	CW
Rise Time	T_r	-	1.5	-	ns	
Fall Time	T_f	-	2.5	-	ns	
Output Power Variation		-	10	-	dB	25°C to 70°C

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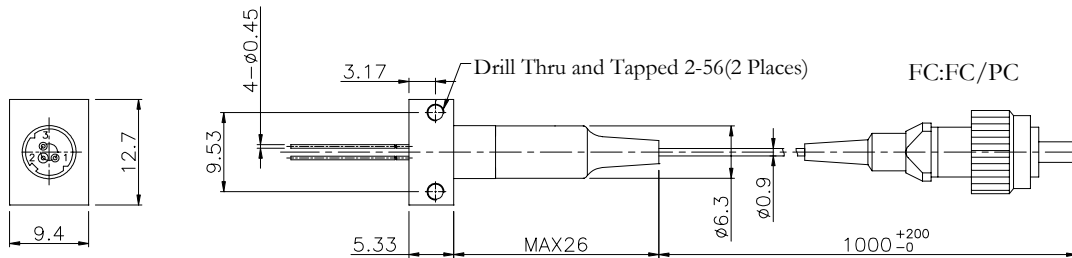
Pin Assignment

Units in mm.

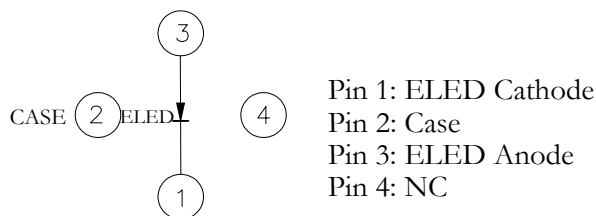
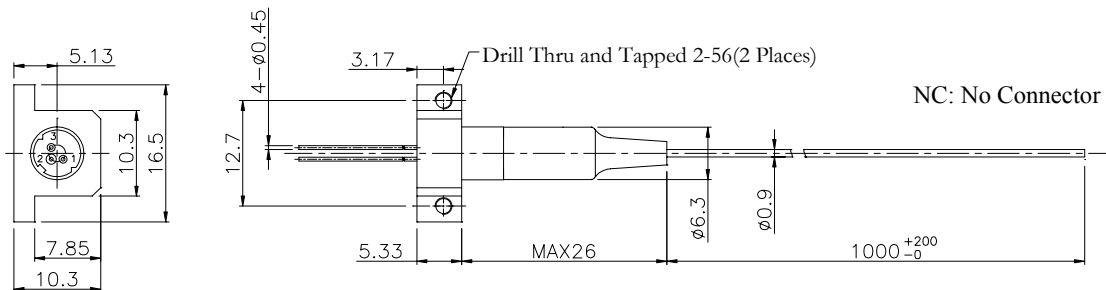
Flange Type : N - NC package



Flange Type : C - SP package



Flange Type : D - SPF package



EDP-L-XXB-X-SXXX-XS-XX

Ordering Information

EDP-L-XXB-X-SXXX-XS-XX

Family

EDP=ELED Pigtail

Wavelength

30:1300nm

55:1550nm

Power

L/M/H/U

Connector

SC/FC/ST/LC/NC

Face

N=NC

P=PC

A=APC

Device

L=Long

Tolerance

B=+/- 40nm

Fiber

S=SM 900um

Package Option

N=NC

C=SP

D=SPF

Length

S: 100cm

RoHS Compliant

-/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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