



### Features

- 1300nm or 1550nm Wavelength
- High Optical Power
- High Operating Current
- High Operating Temperature
- Low Modal Noise
- RoHS Compliant available

### Absolute Maximum Ratings (Tc=25°C)

Parameter	Symbol	Condition	Rating	Unit
Reverse Voltage	$V_{rELED}$	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 coupled 62.5/125  $\mu$ m MM fiber)

Optical and Electrical Characteristics  $\lambda=1300\text{nm}$  (Tc=25°C)

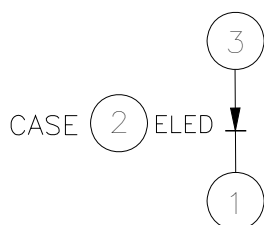
Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Wavelength	$\lambda$	1260	1300	1340	nm	CW
Spectral Width	$\Delta \lambda$	30	-	70	nm	CW (FWHM)
Operating Current	$I_{op}$	-	80	-	mA	CW
Output Power	$P_o$	50 100 200	- - -	- - -	$\mu$ W	CW at $I_{op}=80\text{mA}$
L						
M						
H						
Spectral Ripple		-	-	10	%	$\lambda \pm 10\text{nm}$
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, $I_{op}=30\text{mA}$

**(All optical data refer to coupled 62.5/125  $\mu$  m MM fiber)**

**Optical and Electrical Characteristics  $\lambda=1550\text{nm}$  ( $T_c=25^\circ\text{C}$ )**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Wavelength	$\lambda$	1510	1550	1590	nm	CW
Spectral Width	$\Delta \lambda$	45	-	100	nm	CW (FWHM)
Operating Current	$I_{op}$	-	80	100	mA	CW
Output Power	$P_o$				$\mu W$	CW at $I_{op}=80\text{mA}$
L						
M						
H						
Spectral Ripple		-	-	10	%	$\lambda \pm 10\text{nm}$
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	$25^\circ\text{C}$ to $70^\circ\text{C}$ , $I_{op}=30\text{mA}$

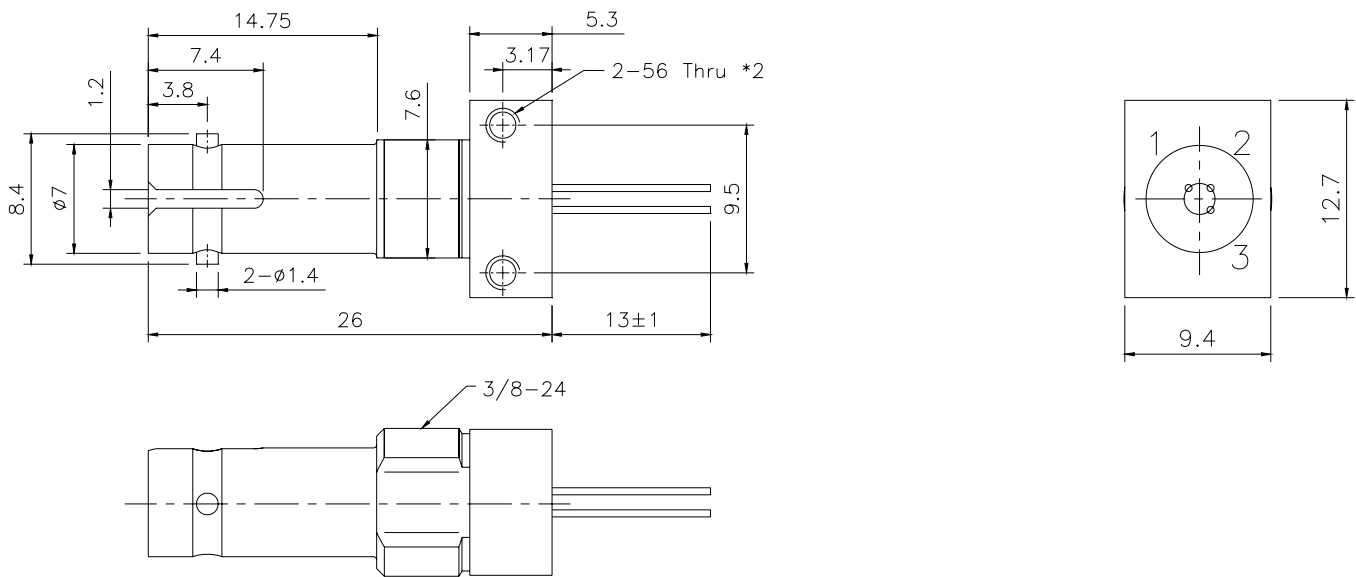
## Pin Assignment



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

## Packaging Dimension (Units in mm)

Receptacle Package Style : ST – A Type



## Ordering Information

# EDR-L-XXB-X-NSTA-XX

Family

EDR=ELED Receptacle

Wavelength

30:1300nm  
55:1550nm

Power

L/M/H

Connector

ST

Package Option

A=ST-A

Device  
L=Long

Tolerance  
B=+/-40nm

Fiber  
N=62.5/125um

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.

## Legal Notice

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