



### Features

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

### Absolute Maximum Ratings (T<sub>c</sub>=25°C)

Parameter	Symbol	Condition	Rating	Unit
Reverse Voltage	V <sub>r</sub>	CW	2.5	V
Forward Current	I <sub>f</sub>	CW	150	mA
Operating Temperature	T <sub>opr</sub>	-	-20 ~ 70	°C
Storage Temperature	T <sub>stg</sub>	-	-40 ~ 85	°C

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

#### Optical and Electrical Characteristics 1300nm (T<sub>c</sub>=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Wavelength	λ	1260	1300	1340	nm	CW
Spectral Width	Δ λ	30	-	70	nm	CW (FWHM)
Operating Current	I <sub>op</sub>	-	80	100	mA	CW
Output Power	P <sub>o</sub>	10	30	-	μW	CW at I <sub>op</sub> =80mA
L		50	75	-		
M		100	120	-		
U		150	-	-		
Spectral Ripple		-	-	10	%	λ ±10nm
Forward Voltage	V <sub>f</sub>	-	1.2	2	V	CW
Rise Time	T <sub>r</sub>	-	1.5	-	ns	-
Fall Time	T <sub>f</sub>	-	2.5	-	ns	-
Output Power Variation		-	4	-	dB	25°C to 70°C, I <sub>op</sub> =30mA

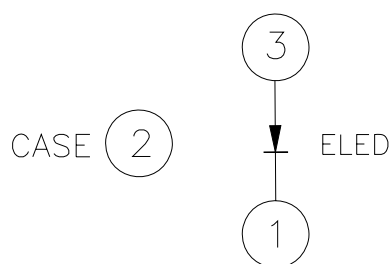
**(All optical data refer to a coupled 9/125  $\mu$  m SM fiber)**

**Optical and Electrical Characteristics 1550nm (Tc=25°C)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Wavelength	$\lambda$	1510	1550	1580	nm	CW
Spectral Width	$\Delta \lambda$	45	-	100	nm	CW (FWHM)
Operating Current	$I_{op}$	-	80	100	mA	CW
Output Power	$P_o$				$\mu W$	CW at $I_{op}=80mA$
L		10	-	-		
M		20	-	-		
H		30	-	-		
Spectral Ripple		-	-	10	%	$\lambda \pm 10nm$
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, $I_{op}=30mA$

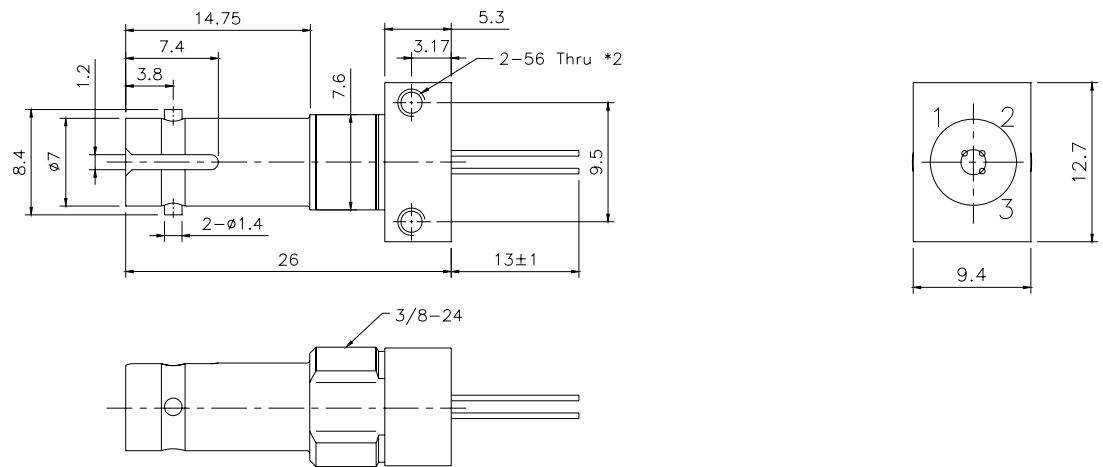
## Pin Assignment

Pinout-3 Pin

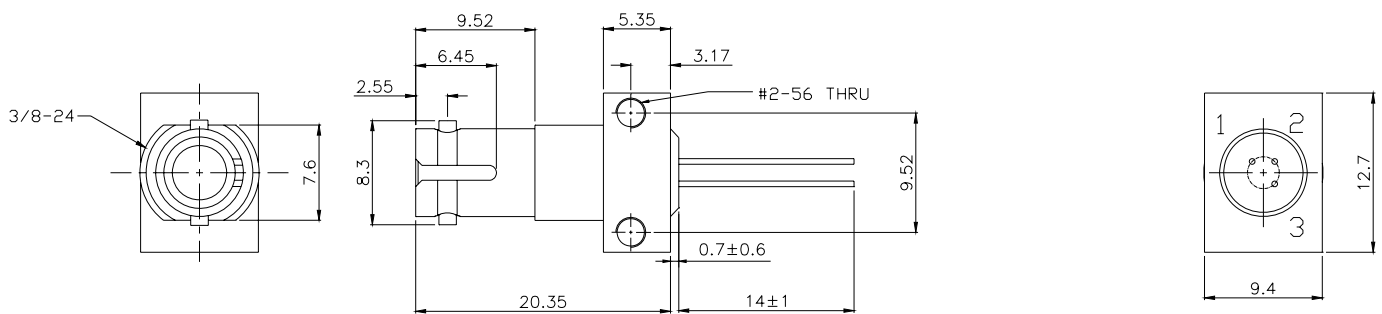


**Packaging Dimension (Units in mm)**

Receptacle Package Style : ST – A Type



Receptacle Package Style : ST – B Type



## Ordering Information

# EDR-L-XXB-X-SSTX-XX

Family EDR=ELED Receptacle	Device L=Long	Wavelength 30:1300nm 55:1550nm	Tolerance B=+/-40nm	Power L/M/H/U	Connector ST = ST Fiber S=9/125um	Package Option A=ST-A B=ST-B
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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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