

#### **Features**

- 1300nm or 1550nm Wavelength
- High Optical Power
- Low Operating Current
- High Operating Temperature
- High Speed
- Low Modal Noise
- For Single-mode & Multi-mode use
- Custom Designed SC Receptacle
- RoHS Compliant available

### Absolute Maximum Ratings (Tc=25℃)

Parameter	Symbol	Condition	Rating	Unit
LED Reverse Voltage	V <sub>rLED</sub>	CW	2.5	V
Forward Current	I <sub>f</sub>	CW	150	mA
Operating Temperature	Topr	-	-20 ~ 60	$^{\circ}\!\mathbb{C}$
Storage Temperature	T <sub>stg</sub>	-	-30 ~ 80	$^{\circ}\!\mathbb{C}$

## (All optical data refer to coupled 9/125 $\mu$ m SM & 50/125 $\mu$ m MM fiber) Optical and Electrical Characteristics $\lambda$ =1300nm (Tc=25°C)

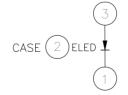
Parameter	Symbol	Min.	Тур.	Max.	Unit	Notes
Wavelength	λ	1260	1310	1340	nm	CW
Spectral Width	Δλ	30	-	70	nm	CW (FWHM)
Operating Current	lop	-	80	100	mA	CW
Output Power (SM, 9/125 $\mu$ m)						
L		10	30	-	μ <b>W</b>	CW at I <sub>Op</sub> =80mA
M	Ро	50	75	-		
Н		100	120	-		
U		150	-	-		
Output Power (MM, 50/125 $\mu$ m)						
L	Po	50	-	-	$\mu W$	CW at Iop=80mA
M	Po	100	-	-	$\mu$ vv	
Н		200	-	-		
Spectral Ripple		-	-	10	%	λ <b>±10nm</b>
Forward Voltage	Vf	-	1.2	2	V	CW
Rise Time	Tr	-	1.5	-	ns	-
Fall Time	Tf	-	2.5	-	ns	-
Output Power Variation		-	4	-	dB	25°C to 70°C, lop=30mA



# (All optical data refer to coupled 9/125 $\mu$ m SM & 50/125 $\mu$ m MM fiber) Optical and Electrical Characteristics $\lambda$ =1550nm (Tc=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Notes	
Wavelength	λ	1510	1550	1580	nm	CW	
Spectral Width	Δλ	45	-	100	nm	CW (FWHM)	
Operating Current	lop	-	80	100	mA	CW	
Output Power (SM, 9/125 $\mu$ m)							
L	Po	10	-	-	μ <b>W</b>	CW at Iop=80mA	
M		20	-	-			
Н		30	-	-			
Output Power (MM, 50/125 $\mu$ m)							
L	D.	30	-	-	μ <b>W</b>	CW at I <sub>op</sub> =80mA	
M	Po	50	-	-			
Н		70	-	-			
Spectral Ripple		-	-	10	%	λ <b>±10nm</b>	
Forward Voltage	Vf	-	1.2	1.7	V	CW	
Rise Time	Tr	-	1.5	-	ns	-	
Fall Time	T <sub>f</sub>	-	2.5	-	ns	-	
Output Power Variation		-	4	-	dB	25°C to 70°C, lop=30mA	

## **Pin Assignment**



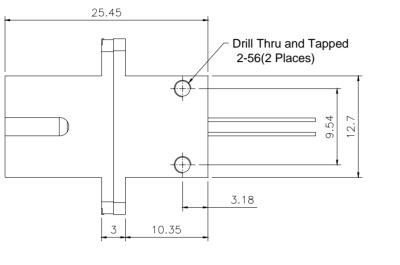
Pin 1: ELED Cathode

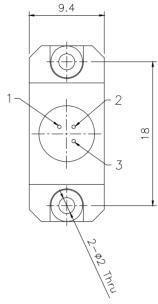
Pin 2: Case

Pin 3: ELED Anode

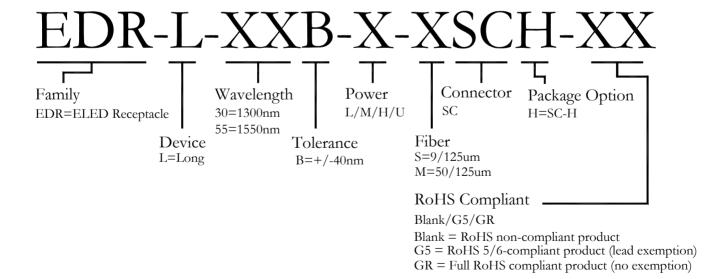


#### Packaging Dimension (Units in mm)





#### **Ordering Information**



# P/N: EDR-L-XXB-X-XSCH-XX ELED SC Receptacle



#### **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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