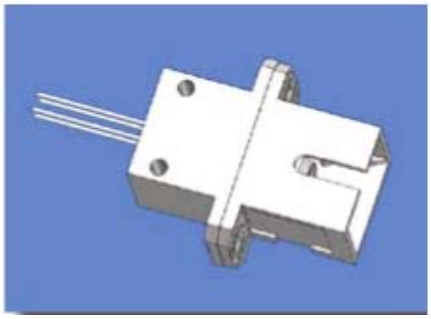
P/N: EDR-L-XXB-X-XSCH-XX
ELED SC Receptacle



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_{rLED}	CW	2.5	V
Forward Current	I_f	CW	150	mA
Operating Temperature	T_{opr}	-	-20 ~ 60	℃
Storage Temperature	T_{stg}	-	-30 ~ 80	℃

(All optical data refer to coupled 9/125μm SM & 50/125μm MM fiber)

Optical and Electrical Characteristics λ=1300nm (Tc=25℃)

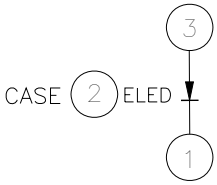
Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Wavelength	λ	1260	1310	1340	nm	CW
Spectral Width	Δλ	30	-	70	nm	CW (FWHM)
Operating Current	Iop	-	80	100	mA	CW
Output Power (SM, 9/125μm) L M H U	Po	 10 50 100 150	 30 75 120 -	 - - - -	μW	CW at Iop=80mA
Output Power (MM, 50/125μm) L M H	Po	 50 100 200	 - - -	 - - -	μW	CW at Iop=80mA
Spectral Ripple		-	-	10	%	λ±10nm
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℃ to 70℃, Iop=30mA

(All optical data refer to coupled 9/125 μm SM & 50/125 μm MM fiber)

Optical and Electrical Characteristics λ=1550nm (Tc=25℃)

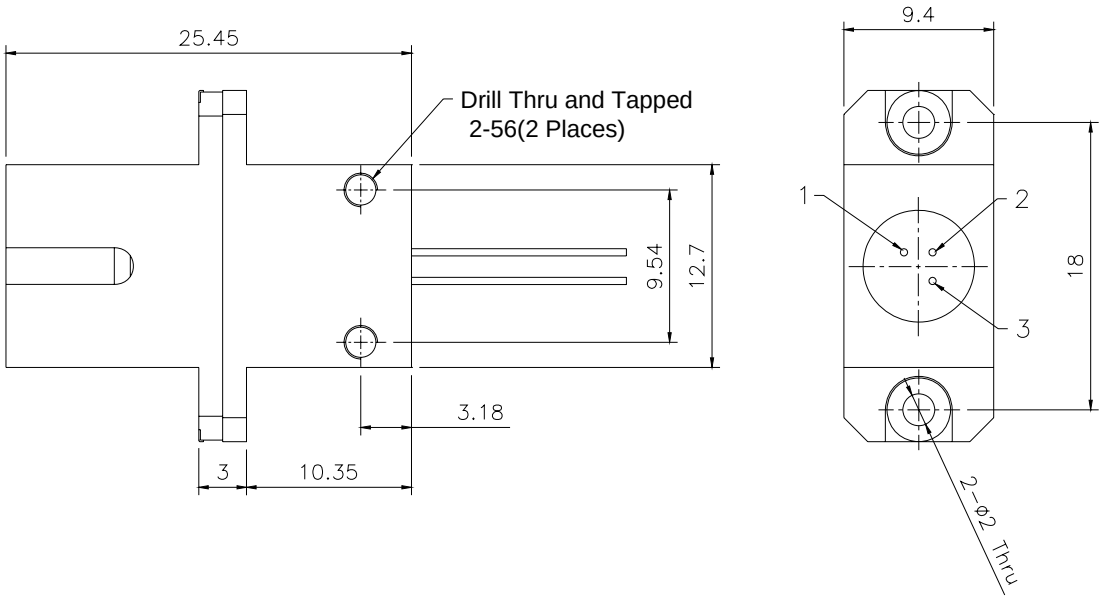
Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Wavelength	λ	1510	1550	1580	nm	CW
Spectral Width	Δ λ	45	-	100	nm	CW (FWHM)
Operating Current	Iop	-	80	100	mA	CW
Output Power (SM, 9/125 μm) L M H	Po	 10 20 30	 - - -	 - - -	μW	CW at Iop=80mA
Output Power (MM, 50/125 μm) L M H	Po	 30 50 70	 - - -	 - - -	μW	CW at Iop=80mA
Spectral Ripple		-	-	10	%	λ±10nm
Forward Voltage	Vf	-	1.2	1.7	V	CW
Rise Time	Tr	-	1.5	-	ns	-
Fall Time	Tf	-	2.5	-	ns	-
Output Power Variation		-	4	-	dB	25℃ to 70℃, Iop=30mA

Pin Assignment



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

Packaging Dimension (Units in mm)



Ordering Information

EDR-L-XXB-X-XSCH-XX

Family
EDR=ELED Receptacle

Device
L=Long

Wavelength
30=1300nm
55=1550nm

Tolerance
B=+/-40nm

Power
L/M/H/U

Fiber
S=9/125um
M=50/125um

Connector
SC

Package Option
H=SC-H

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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