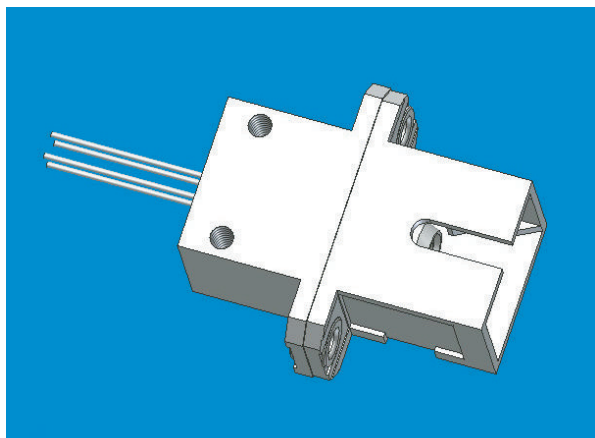


EDR-L-XXB-X-XSCH-XX



Features

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

Absolute Maximum Ratings (Tc=25°C)

Parameter	Symbol	Condition	Rating	Unit
LED Reverse Voltage	V _{rLED}	CW	2.5	V
Operating Temperature	T _{opr}	-	-20 ~ +60	°C
Storage Temperature	T _{stg}	-	-30 ~ +80	°C

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

Optical and Electrical Characteristics 1300nm (Tc=25°C)

Parameter	Symbol	Min	Typ	Max	Unit	Test Condi-
Wavelength	λ	1260	1310	1340	nm	CW
Spectral Width	$\Delta\lambda$	30	-	70	nm	CW(FWHM)
Operating Current	I _{op}	-	80	100	mA	CW
Output Power (SM, 9/125µm)	P _o	10	30	-	µW	CW
L		50	75	-		
M		100	120	-		
H		150	-	-		
U		-	-	-		
Output Power (MM, 50/125µm)	P _o	50	-	-	µW	CW
L		100	-	-		
H		200	-	-		
Spectral Ripple		-	-	10	%	$\lambda \pm 10\text{nm}$
Foward Voltage	V _f	-	1.2	2.0	V	CW
Rise Time	T _r	-	1.5	-	ns	
Fall Time	T _f	-	2.5	-	ns	

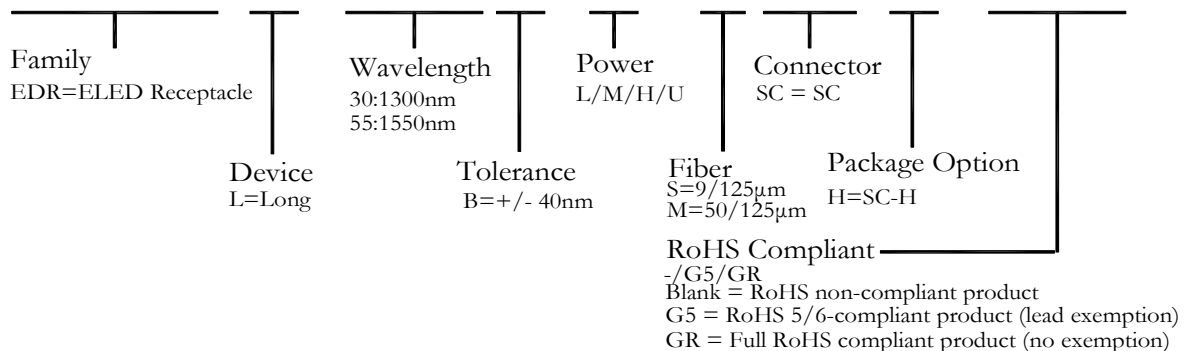
EDR-L-XXB-X-XSCH-XX

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

Optical and Electrical Characteristics 1550nm (Tc=25°C)						
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 (SM, 9/125µm)	P_o	10	-	-	µW	CW
L		20	-	-		
M		30	-	-		
Output Power (MM, 50/125µm)	P_o	30	-	-	µW	CW
L		50	-	-		
M		70	-	-		
Spectral Ripple		-	-	10	%	$\lambda \pm 10\text{nm}$
Foward Voltage	V_f	-	1.2	1.7	V	CW
Rise Time	T_r	-	1.5	-	ns	
Fall Time	T_f	-	2.5	-	ns	

Ordering Information

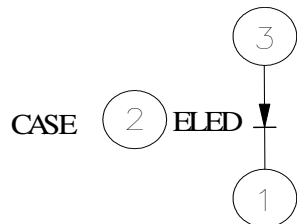
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EDR-L-XXB-X-XSCH-XX

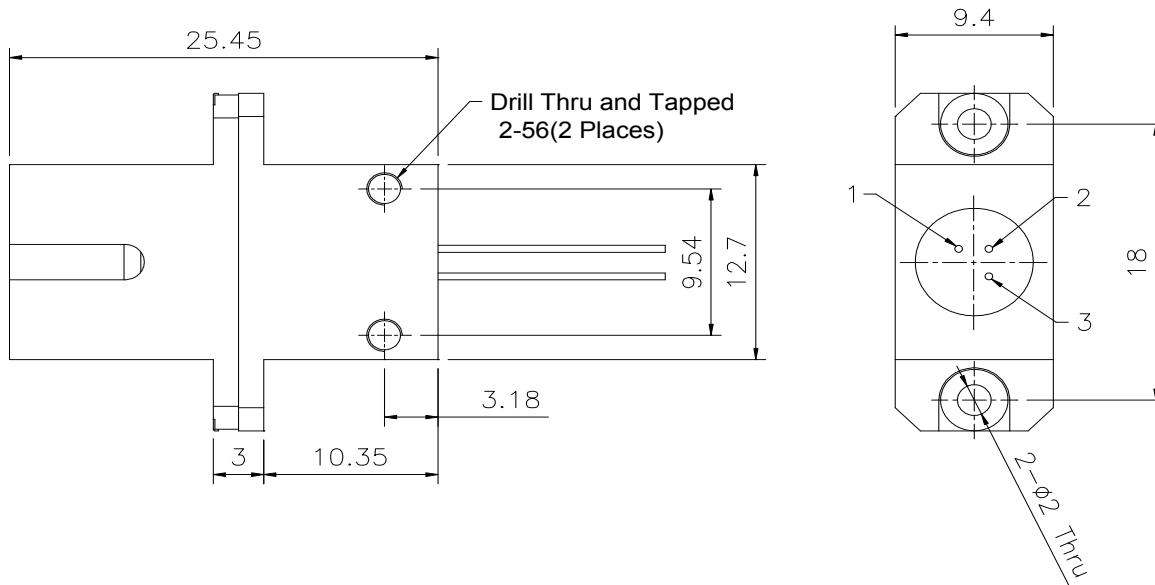
Pin Assignment

Units in mm.



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

Package Style: H Type – "SC-H"



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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