P/N: EDR-L-XXB-X-XFCX-XX
ELED FC Receptacle

Features

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

Absolute Maximum Ratings (Tc=25℃)

Parameter	Symbol	Condition	Rating	Unit
Reverse Voltage	V_r	CW	2.5	V
Forward Current	I_f	CW	150	mA
Operating Temperature	T_{opr}	-	-20 ~ 70	℃
Storage Temperature	T_{stg}	-	-40 ~ 85	℃

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

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

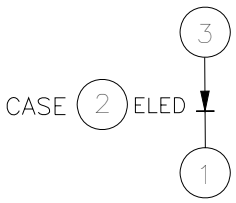
Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Wavelength	λ	1260	1300	1340	nm	CW
Spectral Width	Δ λ	30	-	70	nm	CW (FWHM)
Operating Current	Iop	-	80	-	mA	CW
Output Power (SM, 9/125 μm) L M H U	Po	 10 50 100 150	 - - - -	 - - - -	μW	CW at Iop=80mA
Output Power (MM, 50/125 μm) M H U	Po	 50 100 200	 - - -	 - - -	μW	CW at Iop=80mA
Spectral Ripple		-	-	10	%	λ±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℃ to 70℃, Iop=30mA

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

Optical and Electrical Characteristics 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	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

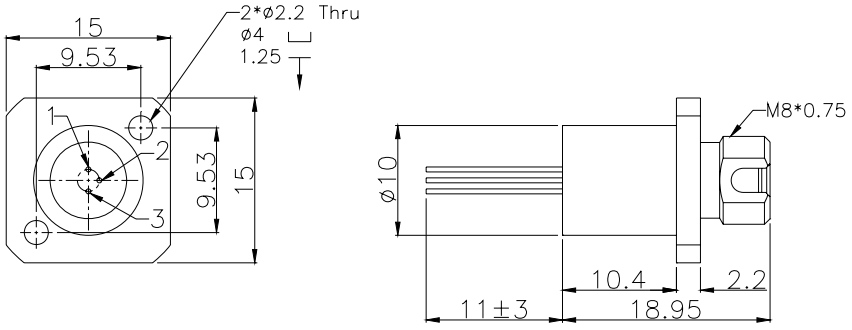
Pin Assignment



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

Packaging Dimension (Units in mm)

Package Style:"E":FC



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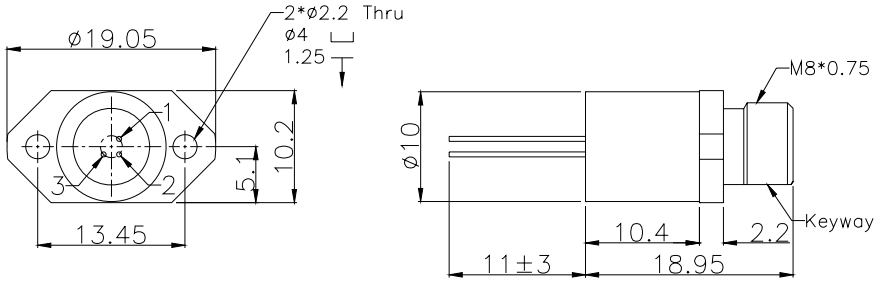

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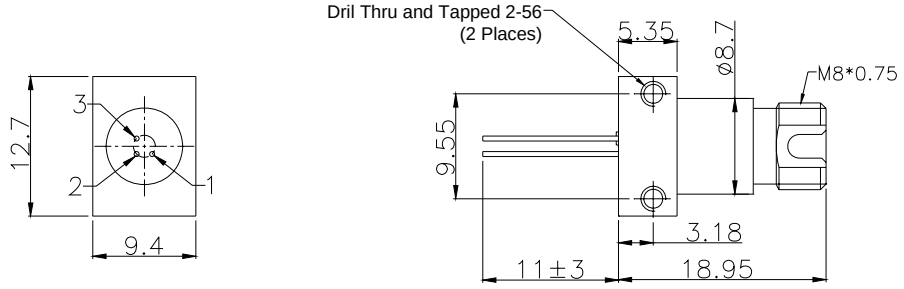

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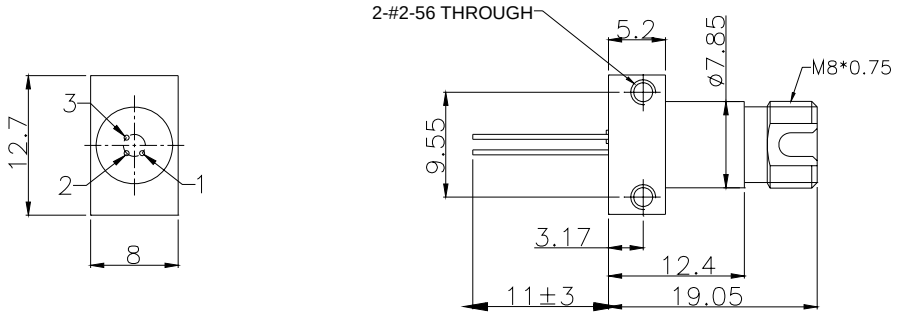
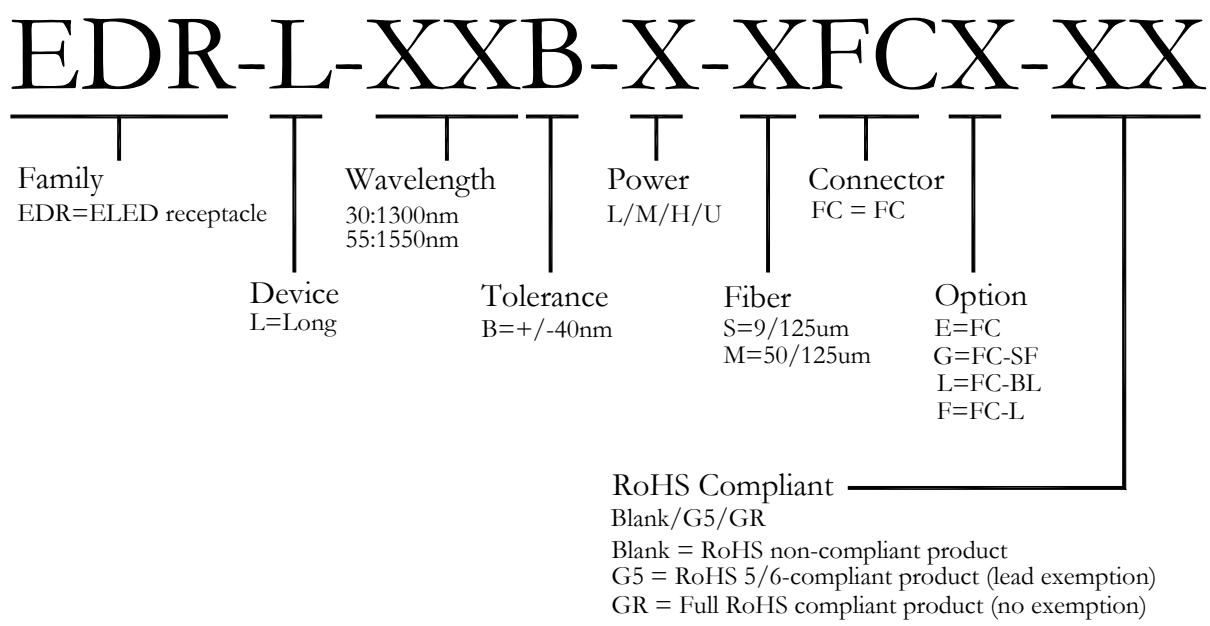


Ordering Information



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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