



### Features

- 1300nm 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 °C)

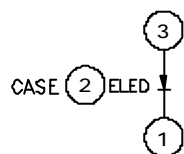
Parameter	Symbol	Condition	Rating	Unit
Reverse Voltage	$V_r$	CW	2.5	V
Forward Current	$I_f$	CW	150	mA
Operating Temperature	$T_{opr}$	-	-20 ~ 70	
Storage Temperature	$T_{stg}$	-	-40 ~ 85	

**(All optical data refer to coupled 9/125  $\mu$  m SM & 50/125  $\mu$  m MM fiber)**

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Wavelength		1260	1300	1340	nm	CW
Spectral Width		30	-	80	nm	CW (FWHM)
Operating Current	$I_{op}$	-	40	60	mA	CW
Output Power (SM, 9/125 $\mu$ m)	$P_o$					CW at $I_{op}$ =40mA
L		10	-	-	$\mu$ W	
M		20	-	-	$\mu$ W	
H		30	-	-	$\mu$ W	
Output Power (MM, 50/125 $\mu$ m)	$P_o$					CW at $I_{op}$ =40mA
L		20	-	-	$\mu$ W	
M		30	-	-	$\mu$ W	
H		50	-	-	$\mu$ W	
Spectral Ripple		-	-	10	%	$\pm 10$ nm
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

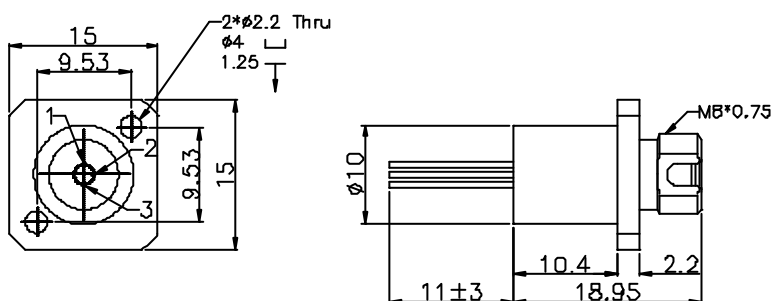
## Pin Assignment



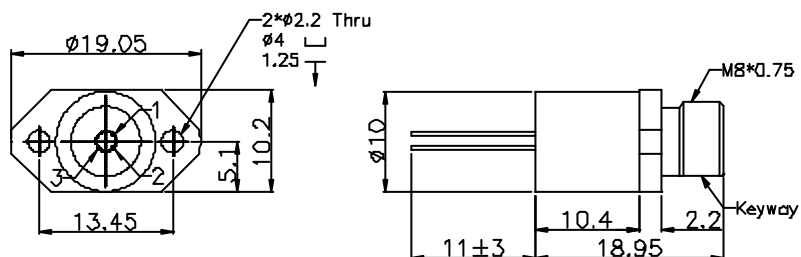
Pin 1: ELED Cathode  
Pin 2: Case  
Pin 3: ELED Anode

## Packaging Dimension (Units in mm)

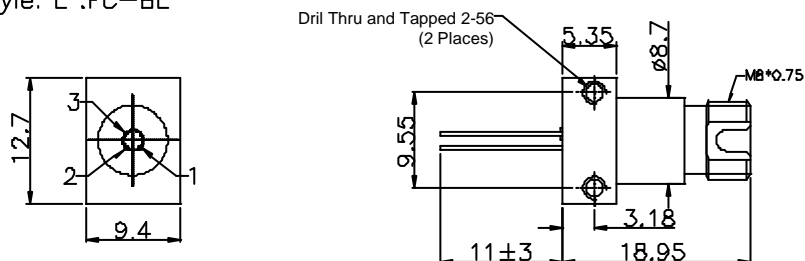
Package Style: "E":FC



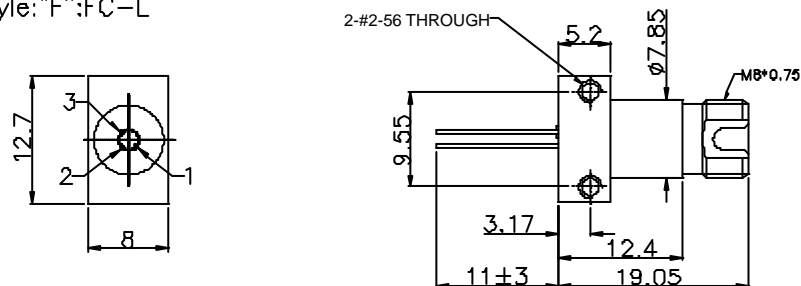
Package Style: "G":FC-SF



Package Style: "L":FC-BL



Package Style: "F":FC-L



## Ordering Information

# EDR-S-30B-X-XFCX-XX

Family	Device	Wavelength	Power	Connector	Package Option
EDR=ELED Receptacle	S=Short	30:1300nm	L/M/H	FC	E=FC G=FC-SF L=FC-BL F=FC-L

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

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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