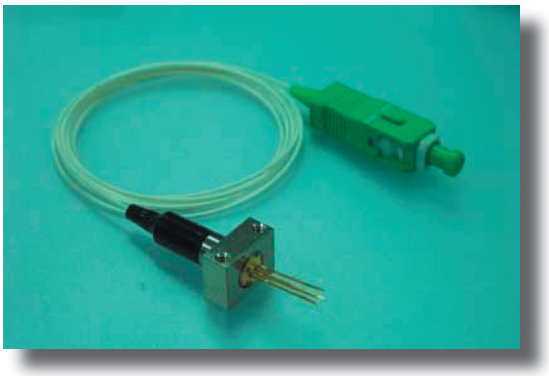
EDP-L-XXB-X-SXXX-XS-XX



Features

- 1300nm or 1550nm Wavelength
- High Optical Power
- High Operating Current
- High Operating Temperature
- Low Modal Noise
- Single mode fiber pigtailed with optional FC/ST/SC/without connector
- 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	°C
Storage Temperature	T_{stg}	-	-40 ~ 85	°C

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

Optical and Electrical Characteristics 1300nm

Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Wavelength	λ	1260	1300	1340	nm	CW
Spectral Width	Δλ	30	-	70	nm	CW(FWHM)
Operating Current	I_{op}	-	80	100	mA	CW
Output Power L M H U	P_O	 10 50 100 150	 - - - -	 - - - -	μW	CW at Iop=80mA
Spectral Ripple		-	-	10	%	λ±10nm
Foward Voltage	Vf	-	1.2	2.0	V	CW
Rise Time	T_r	-	1.5	-	ns	
Fall Time	T_f	-	2.5	-	ns	
Output Power Variation		-	10	-	dB	25°C to 70°C

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

Optical and Electrical Characteristics 1550nm

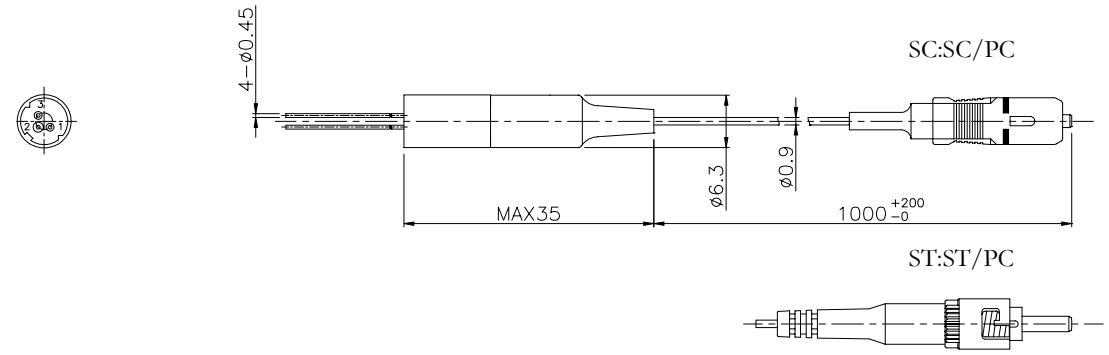
Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Wavelength	λ	1510	1550	1580	nm	CW
Spectral Width	Δλ	45	-	100	nm	CW(FWHM)
Operating Current	I_{op}	-	80	100	mA	CW
Output Power L M H	P_O	 10 20 30	 - - -	 - - -	μW	CW at Iop=80mA
Spectral Ripple		-	-	10	%	λ±10nm
Foward Voltage	Vf	-	1.2	2.0	V	CW
Rise Time	T_r	-	1.5	-	ns	
Fall Time	T_f	-	2.5	-	ns	
Output Power Variation		-	10	-	dB	25°C to 70°C

20550 Nordhoff St. • Chatsworth, CA 91311 • tel: 818.773.9044 • fax: 818.576.9486
9F, No 81, Shui Lee Rd. • Hsinchu, Taiwan, R.O.C. • tel: 886.3.5169222 • fax: 886.3.5169213

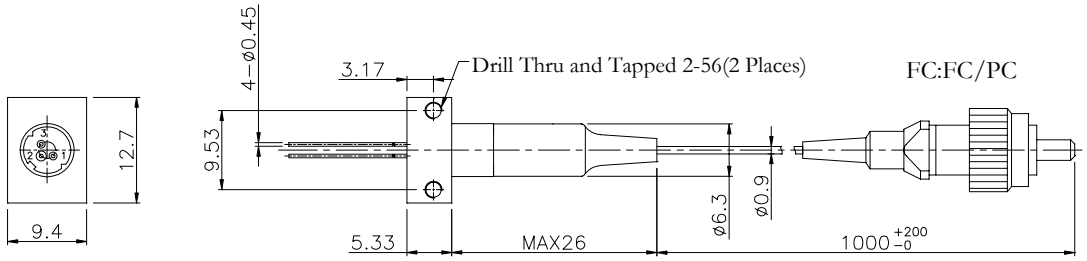
LUMNDS702-APR2507
rev. A.3

Pin Assignment **Units in mm.**

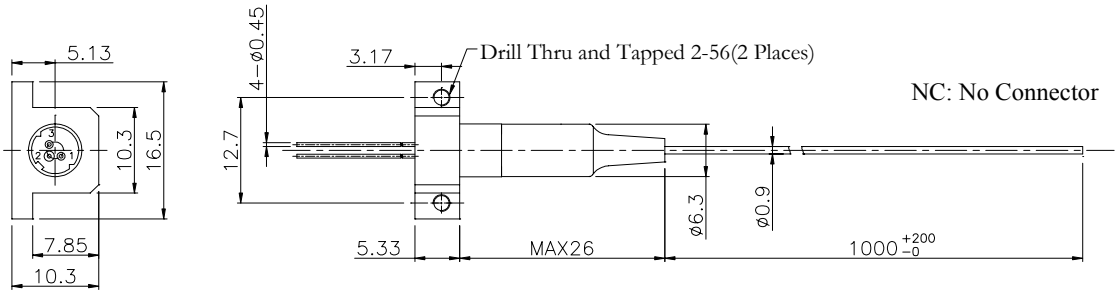
Flange Type : N - NC package

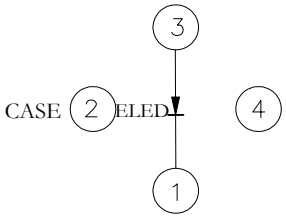


Flange Type : C - SP package



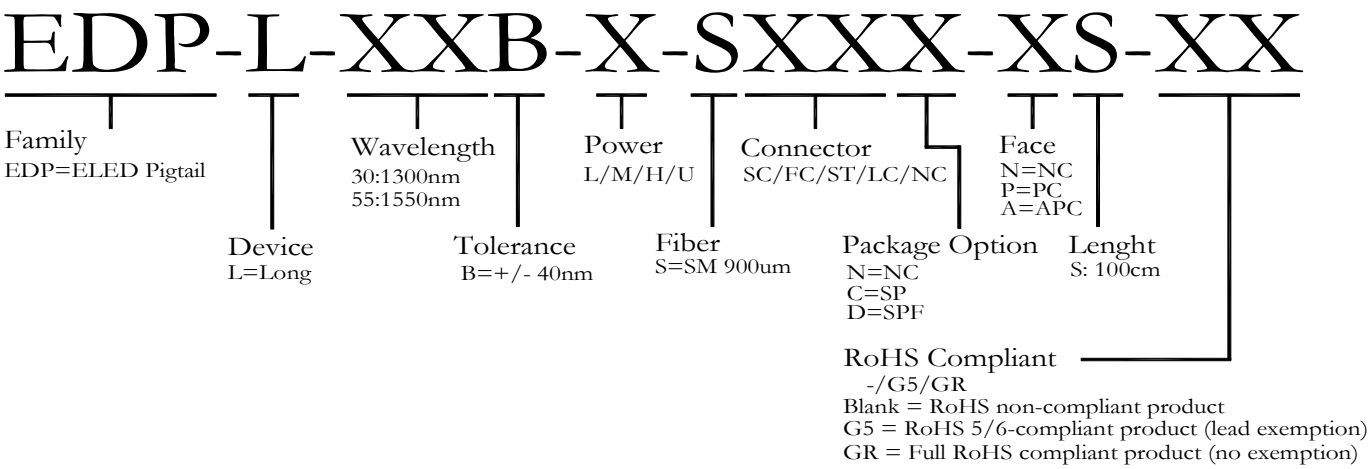
Flange Type : D - SPF package





Pin 1: ELED Cathode
Pin 2: Case
Pin 3: ELED Anode
Pin 4: NC

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.

Legal Notice