



Features

- 1300nm or 1550nm Wavelength
- High Optical Power
- High Operating Current
- High Operating Temperature
- Low Modal Noise
- 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 9/125 μm SM fiber)

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
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	P _o	10	30	-	μW	CW at I _{op} =80mA
L						
M						
H						
U	50	75	-			
	100	120	-			
	150	-	-			
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°C to 70°C, I _{op} =30mA

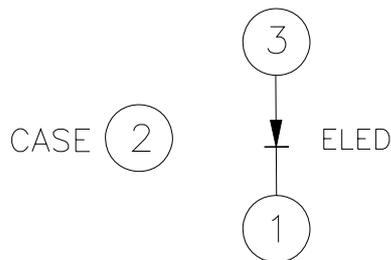
(All optical data refer to a coupled 9/125 μ m SM fiber)

Optical and Electrical Characteristics 1550nm (Tc=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
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	P_o	10	-	-	μ W	CW at $I_{op}=80$ mA
L		20	-	-		
M		30	-	-		
H						
Spectral Ripple		-	-	10	%	$\lambda \pm 10$ 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, $I_{op}=30$ mA

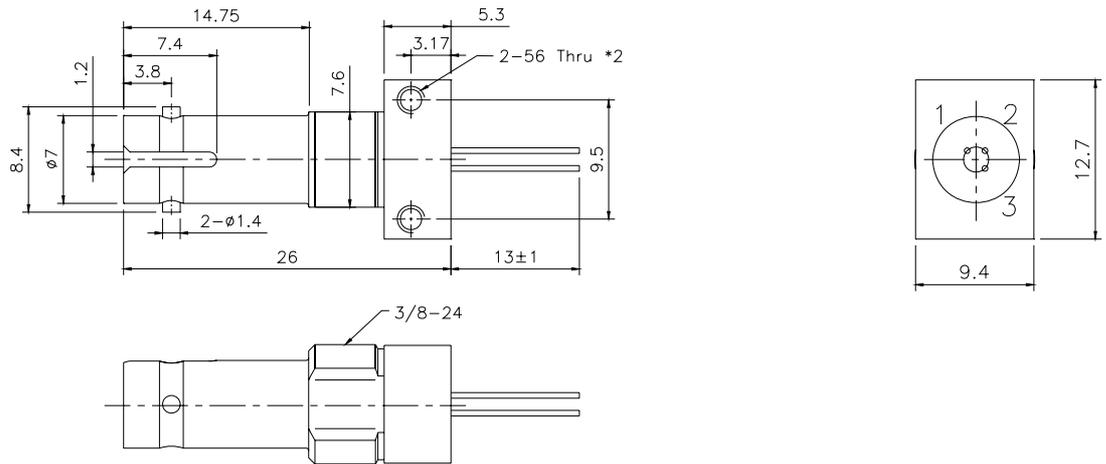
Pin Assignment

Pinout-3 Pin

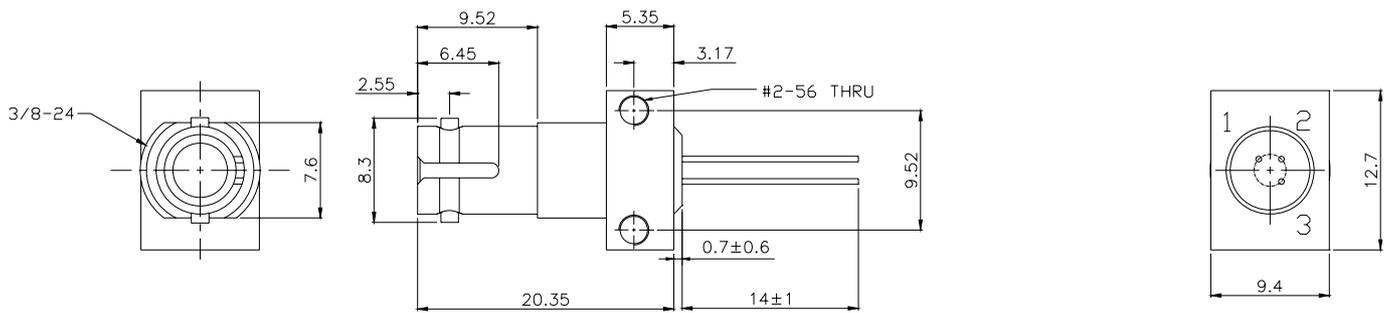


Packaging Dimension (Units in mm)

Receptacle Package Style : ST – A Type

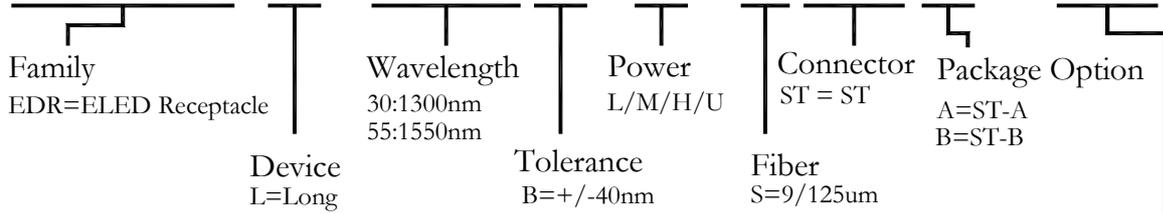


Receptacle Package Style : ST – B Type



Ordering Information

EDR-L-XXB-X-SSTX-XX



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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