



**Features**

- 1300nm Wavelength
- High Optical Power
- High Operating Current
- High Operating Temperature
- Low Modal Noise
- For Single-mode use
- ST-A and ST-B Receptacle Package
- 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	

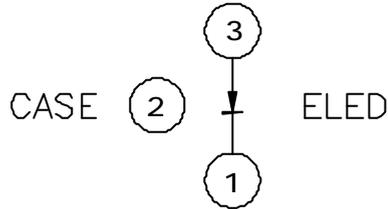
**(All optical data refer to a coupled 9/125  $\mu$  m SM fiber)**

**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)	$P_o$	10	-	-	$\mu$ W	CW at $I_{op}=40mA$
L		20	-	-		
M		30	-	-		
Spectral Ripple		-	-	10	%	$\pm 10nm$
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, $I_{op}=30mA$

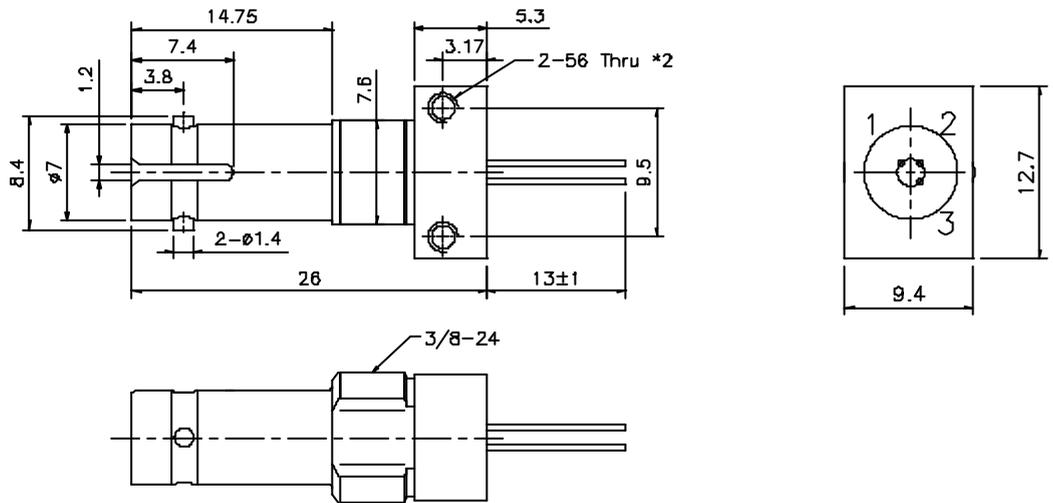
### Pin Assignment

#### Pinout-3 Pin

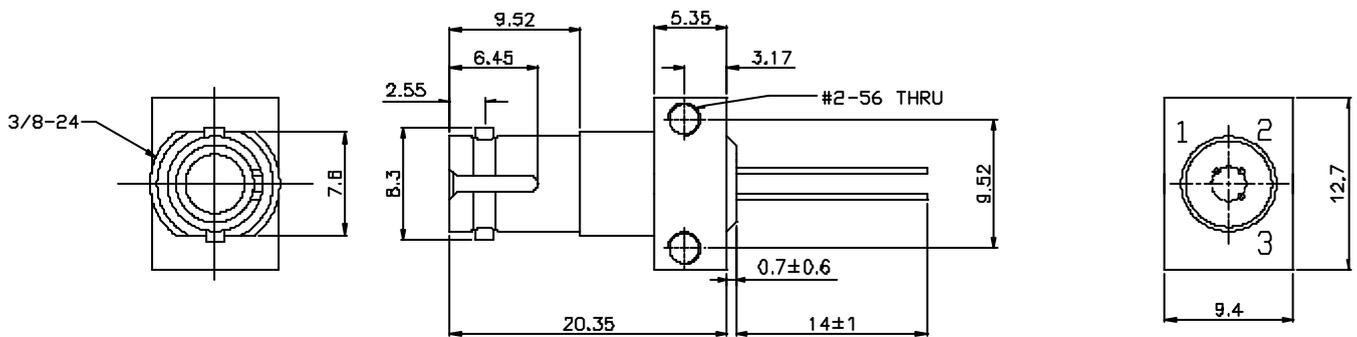


### Packaging Dimension (Units in mm)

Receptacle Package Style : ST – A Type

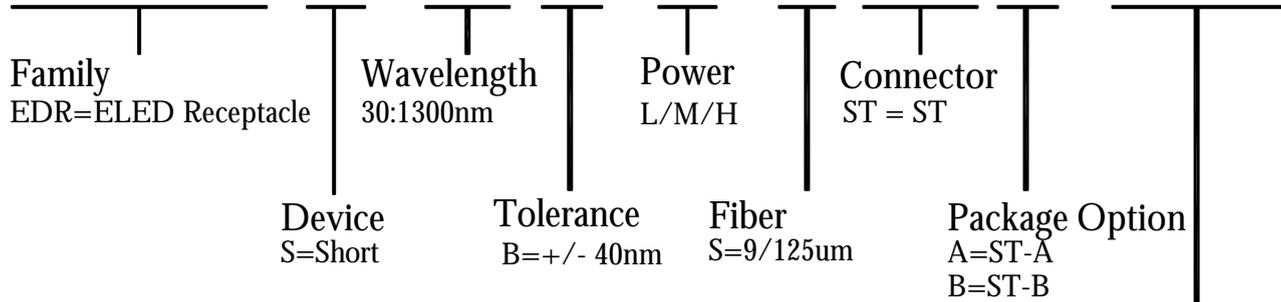


Receptacle Package Style : ST – B Type



Ordering Information

# EDR-S-30B-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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