

## ROSA LC 1250 1310nm

### Features:

- Single +3.3V Power Supply
- High Sensitivity
- Differential Output
- InGaAs PIN Detector and TIA inside
- Plastic LC Receptacle

### Applications:

- Digital Optical Communication
- Optical LAN

### Specifications:

#### Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Operating Temperature	Tc	-40	85	
Storage Temperature	Ts	-40	85	
Input optical power	Pin	--	3	dBm
Lead Solder Temperature		--	260	
Lead Soldering Time		--	10	S

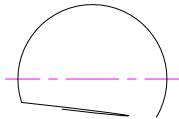
#### Specifications (T=25°C, unless otherwise noted)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	Vcc	--	2.97	3.3	3.63	V
Supply Current	Icc	Vcc=3.3V	23	25	26	mA
Wavelength Range	$\lambda$	--	900	--	1650	nm
Differential Output Voltage	V <sub>d</sub>	Vcc=3.3V	--	275	500	mV
Output Impedance	R <sub>out</sub>	Single ended	40	50	60	$\Omega$
Saturation Power	Psat	1.25Gbps,PRBS7, 1310nm,ER=10dB	0	--	--	dBm
Bandwidth	BW	--	750	840	930	MHz
Sensitivity	Sen	1.25Gbps,PRBS7, 1310nm,ER=10dB, BER=10E-10	--	-29	-26	dBm

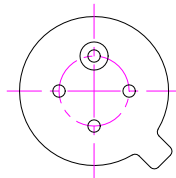


## Pin Description:

Type A

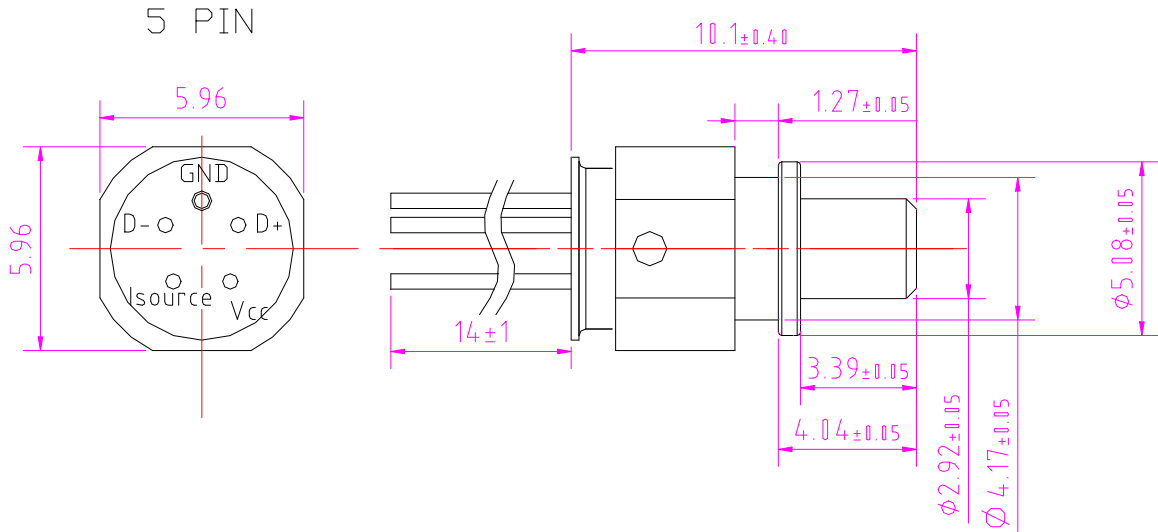


Type B



BOTTOM VIEW

## Outline:



### Order Information:

RX1250



LC

I

Pin Out
A: Type A
B: Type B
C: Type C
D: Type D
E: Type E

### Statement

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