



## ROSA-LC 10Gbps 850nm

### Features:

- Data rates up to 10Gbps.
- 850nm multimode.
- -40°C to 85°C Operation.
- High reliability
- Received signal strength indicator(RSSI).
- Differential Output.
- LC plastic barrel

### Applications:

- High speed Data Communication.
- 10G Gigabit Ethernet.

### Specifications:

#### Absolute Maximum Ratings

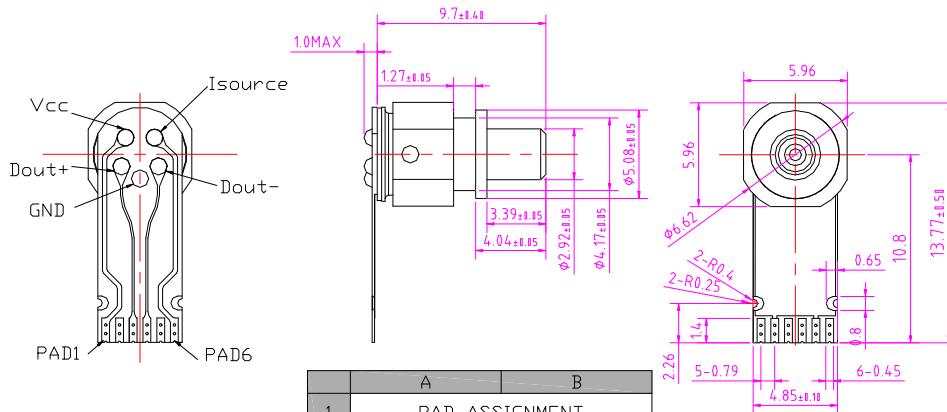
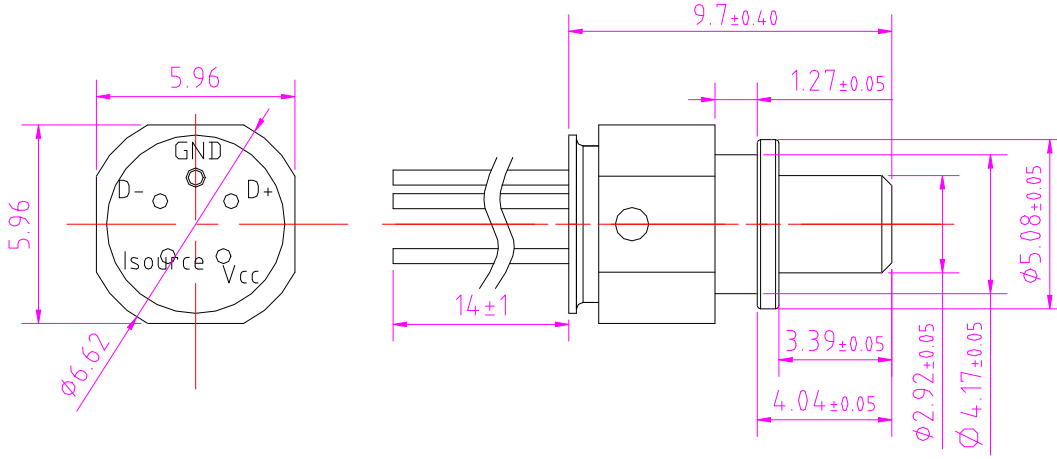
Parameter	Symbol	Min	Max	Unit
Input optical power	Pin	--	5	dBm
Operating Temperature	T <sub>op</sub>	-40	85	°C
Storage Temperature	T <sub>stg</sub>	-40	100	°C
Lead Solder Temperature	--	--	260	°C
Lead Soldering Time	--	--	10	s

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

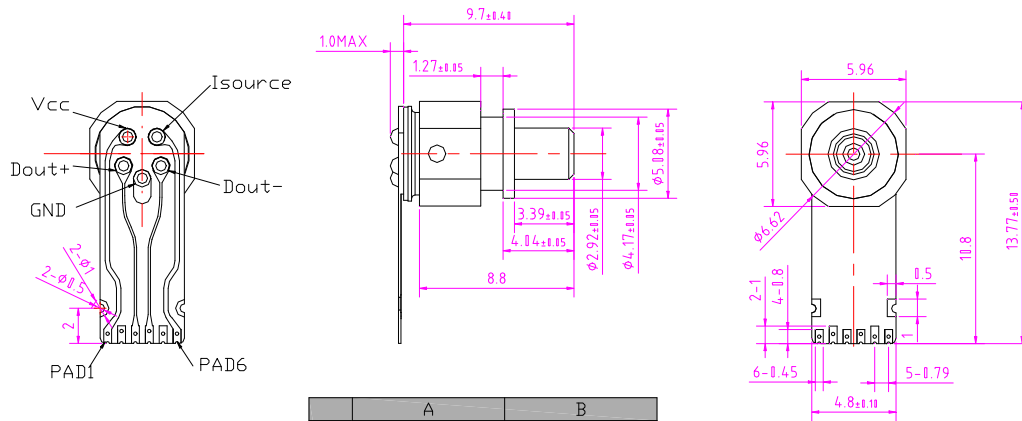
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	V <sub>cc</sub>	--	3.0	3.3	3.6	V
Supply Current	I <sub>cc</sub>	V <sub>cc</sub> =3.3V	--	--	40	mA
Operating Wavelength	λ	V <sub>cc</sub> =3.3V	830	850	870	nm
RSSI Offset Current	I <sub>d</sub>	V <sub>cc</sub> =3.3V	--	--	100	nA
Overload	OL	V <sub>cc</sub> =3.3V	3	--	--	dBm
Sensitivity	Sen	10.3125Gbps,PRBS31, 850nm,ER=4.5dB, BER=10E-12	--	--	-13	dBm



### Mechanical Dimension and Pin Assignment:



	A	B
1	PAD ASSIGNMENT	
2	PAD1	Vcc
3	PAD2	GND
4	PAD3	DOUT+
5	PAD4	DOUT-
6	PAD5	GND
7	PAD6	Isource



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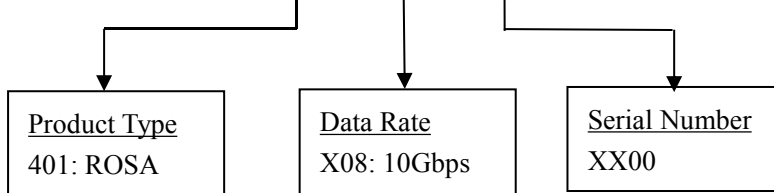
### Order Information:

**SAN-U P/N:**

**401**

**X08**

**XX00**



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