



10Gbps ROSA-LC

Features:

- LC Receptacle, with flexible circuit attached.
Single +3.3V Power Supply.
Suitable for long wavelength 10Gbps applications.
Differential Output.
Photo current monitoring available.
InGaAs PIN Detector and TIA inside.

Applications:

- 10G Fiber Channel.
SDH/SONET Transceivers up to 10Gbps.

Specifications:

Absolute Maximum Ratings

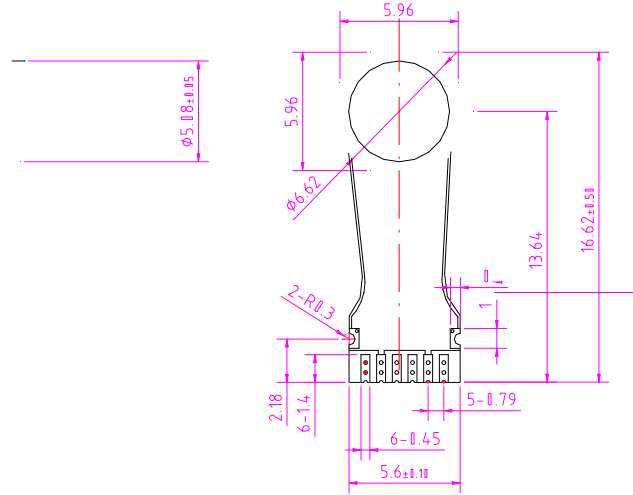
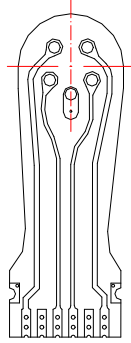
Parameter	Symbol	Min	Max	Unit
PD Forward Voltage	$V_{f(PD)}$	--	1.6	mA
Input optical power	Pin	--	3	dBm
Operating Temperature	T_{op}	-40	85	°C
Storage Temperature	T_{stg}	-40	100	°C
Lead Solder Temperature	--	--	260	°C
Lead Soldering Time	--	--	10	s

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

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	Vcc	--	3.0	3.3	3.6	V
Supply Current	Icc	Vcc=3.3V	--	--	35	mA
Operating Wavelength	λ_c	Vcc=3.3V	1100	--	1600	nm
RSSI Offset Current	Id	Vcc=3.3V	--	--	100	nA
Overload	OL	Vcc=3.3V	1	--	--	dBm
Sensitivity	Sen	10.3125Gbps, PRBS31, 1310nm, ER=6dB, BER=10E-12	--	--	-17	dBm
Optical Return Loss	ORL	@1310nm	--	--	-13	dB



Mechanical Dimension and Pin Assignment:





Statement:

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