TOSA-LC 25Gbps 1310nm DFB

Features:

- Low threshold current
- High bandwidth
- Operating temperature range TC = −5to +85°C

Applications:

- 25Gigabit Ethernet
- 25G Fiber Channel

Specifications：

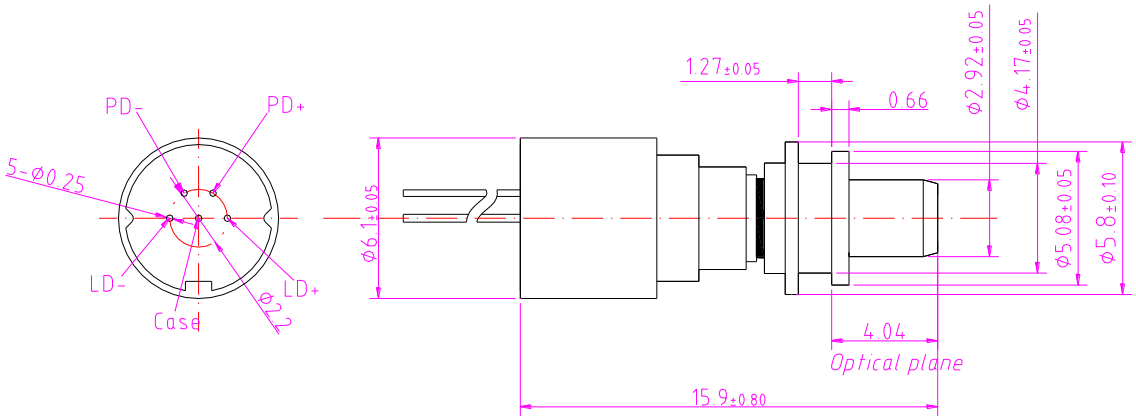
Absolute Maximum Ratings:

Parameter	Symbol	Min	Max.	Unit
LD Reverse Voltage	$Vr_{(LD)}$	--	2	V
LD Forward Current	$If_{(LD)}$	--	100	mA
MPD Forward Current	$If_{(PD)}$	--	1	mA
MPD Reverse Voltage	$Vr_{(PD)}$	--	6	V
Operating Temperature	Top	-5	85	℃
Storage Temperature	Tstg	-40	100	℃
Lead Solder Temperature	--	--	260	℃
Lead Soldering Time	--	--	10	s

Electro-Optical Characteristics:

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Threshold Current	Ith	T_C =25℃	--	12	--	mA
		T_C =85℃	--	30	--	
Forward Voltage	Vf	Iop=Ith+30mA	--	1.3	--	V
Monitor Current(MPD)	Im	Iop=Ith+30mA	100	--	1000	uA
Dark Current(MPD)	Id	Vr=5V	--	--	100	nA
Optical Output Power	Po	Iop=Ith+30mA	0.72	--	1.11	mW
Slope efficiency	SE	Iop=Ith+30mA	0.024	--	0.037	mW/mA
Central Wavelength	λc	Iop=Ith+30mA	1300	1310	1320	nm
Spectral Width ,-20dB	Δλ	Iop=Ith+30mA	--	--	1	nm
Side-mode suppression Ratio	SMSR	Iop=Ith+30mA	30	--	--	dB
Rise/Fall Time	Tr/tf	20-80%	--	20	--	ps
Tracking Error	TE	-5℃~85℃	-1.5	--	+1.5	dB
Optical Return Loss	ORL	--	--	--	35	dB

Mechanical Dimension and Pin Assignment:



Order Information:

SAN-U P/N： **402 012 2200**

Product Type	Date Rate	Serial Number
402: TOSA	012: 25G	2200

Statement：

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Contact Information:

Address: N501-505 Weiye Bldg., Xiamen Pioneering Park For Overseas Chinese Scholars, Xiamen, Fujian, China
Tel: +86-592-3898601, 3898608, 5318000
Fax: +86-592-5703588
Email: sales@san-u.com
http://www.san-u.com