TOSA-LC 25Gbps 850nm with Flex

Features:

- Data rates up to 25 Gbps.
- 850nm multimode emission.
- 0℃ to +70℃ operation.
- Differentially driven.
- Low threshold and operation current.
- High reliability.
- Integrated monitor photodiode (MPD).
- LC plastic barrel, with flexible circuit attached.

Applications:

- High speed Data Communication.

Specifications:

Absolute Maximum Ratings

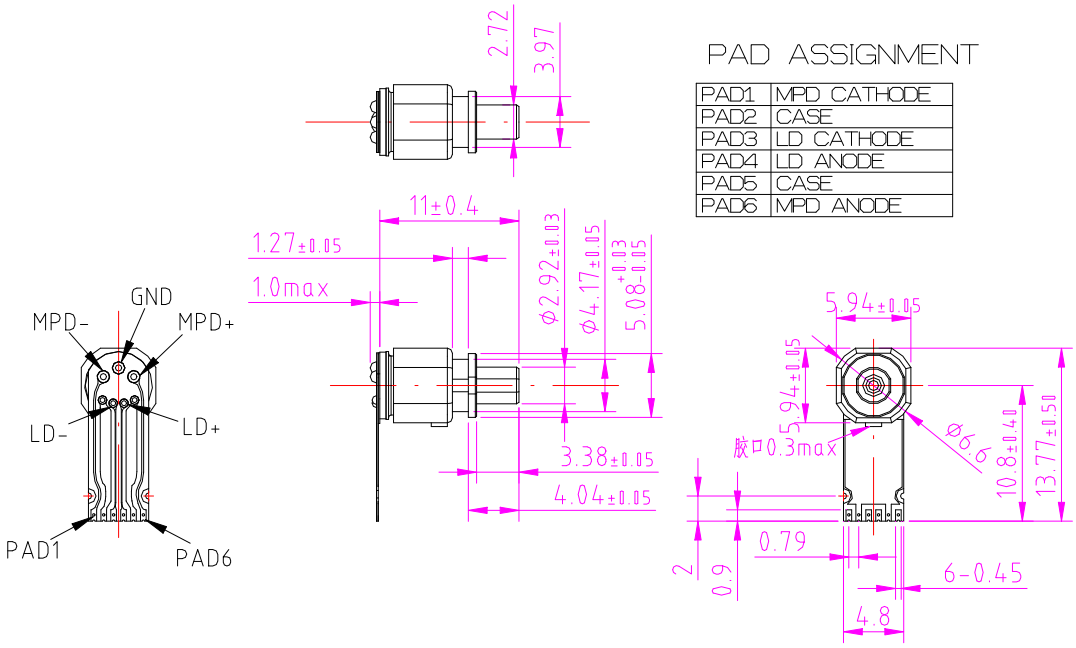
Parameter	Symbol	Min	Max.	Unit
LD Reverse Voltage	$Vr_{(LD)}$	--	5	V
LD Forward Current	$If_{(LD)}$	--	12	mA
MPD Forward Current	$If_{(MPD)}$	--	10	mA
MPD Reverse Voltage	$Vr_{(MPD)}$	--	10	V
Operating Temperature	Top	0	70	℃
Storage Temperature	Tstg	-40	85	℃
Lead Solder Temperature	--	--	260	℃
Lead Soldering Time	--	--	10	s

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

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Threshold Current	Ith	--	--	0.7	0.9	mA
Forward Voltage	Vf	Iop=6.5mA	--	2.1	--	V
Series Resistance	R	Iop=6.5mA	--	100	--	Ω
Monitor Current(MPD)	Im	Iop=6.5mA	100	--	800	uA
Dark Current(MPD)	Id	Vr=3.3V	--	--	20	nA
Bandwidth	BW	Iop=6.5mA,-3dB	13	--	--	GHz
Optical Output Power	Po	Iop=6.5mA, 50/125 μm MMF	0.63	0.81	1.00	mW
Slope efficiency	SE		0.109	0.141	0.172	mW/mA
Central Wavelength	λc	Iop=6.5mA	840	850	860	nm
Spectral Width	Δλ	Iop=6.5mA,RMS	--	--	0.8	nm

Tracking Error	TE	0℃~70℃	-1.5	--	+1.5	dB

Mechanical Dimension and Pin Assignment:



Order Information:

SAN-U P/N： **402 012 0700**

Product Type	Data Rate and wavelength	Serial Number
402: TOSA	012: 25Gbps 850nm	0700

Statement:

SAN-U owns the authority for final explanation of all information contained in this document, which is subject to change without notice. All the information was obtained in particular environments; and SAN-U will not be responsible for the performance of the customers' actual operating environments. All information contained is only for the users' reference and shall not be considered as warranted characteristics. SAN-U will not be liable for damages arising directly or indirectly which from any use of the information contained in this document.

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