



## TOSA-LC 1.25Gbps 1310nm FP

### Features:

- Low Operating Current
- Low Threshold Current
- Excellent Reliability
- Industrial standard TO-56 package
- LC Receptacle

### Applications:

- Digital Optical Communication
- Optical LAN

### Specifications:

#### Absolute Maximum Ratings:

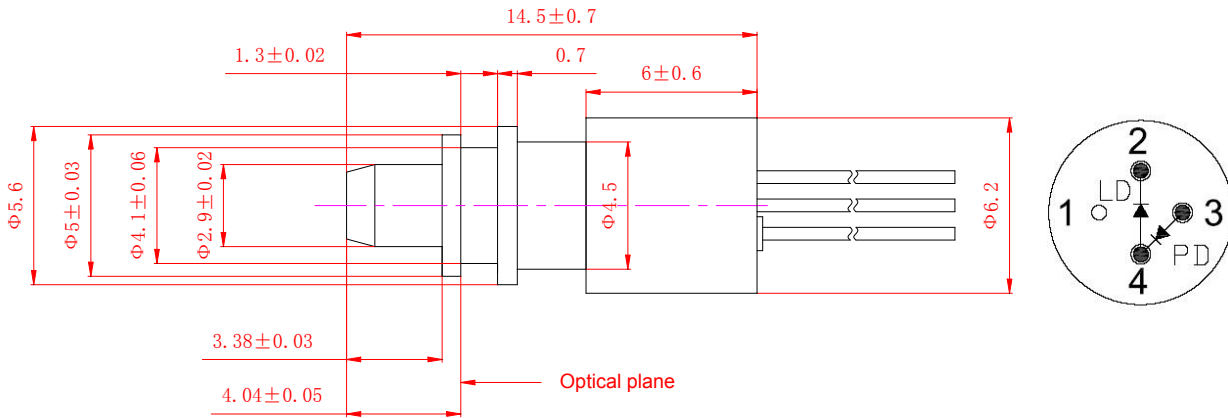
Parameter	Symbol	Min	Max.	Unit
LD Reverse Voltage	$V_{r(LD)}$	--	2	V
LD Forward Current	$I_{f(LD)}$	--	120	mA
MPD Forward Current	$I_{f(MPD)}$	--	2	mA
MPD Reverse Voltage	$V_{r(MPD)}$	--	15	V
Operating Temperature	$T_{op}$	-40	85	°C
Storage Temperature	$T_{stg}$	-40	85	°C
Lead Solder Temperature	--	--	260	°C
Lead Soldering Time	--	--	10	s

#### Characteristics( $T_c=25^{\circ}C$ , unless otherwise noted):

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Threshold Current	$I_{th}$	--	--	9	15	mA
Forward Voltage	$V_f$	$I_{op}=I_{th}+20mA$	--	--	1.5	V
Monitor Current(MPD)	$I_m$	$I_{op}=I_{th}+20mA$	100	--	1000	uA
Dark Current(MPD)	$I_d$	$V_r=3.3V$	--	--	10	nA
Optical Output Power	$P_o$	$I_{op}=I_{th}+20mA$ 9/125 SMF Fiber	0.25	--	0.80	mW
Slope efficiency	SE		0.012	--	0.040	mW/mA
Central Wavelength	$\lambda_c$		1290	1310	1330	nm
Spectral Width(RMS)	$\Delta\lambda$		--	1.8	2.5	nm
RiseTime/Fall Time	$T_r/T_f$	20~80%	--	--	100	ps
Tracking Error	TE	$-40^{\circ}C \sim 85^{\circ}C$	-1.5	--	+1.5	dB



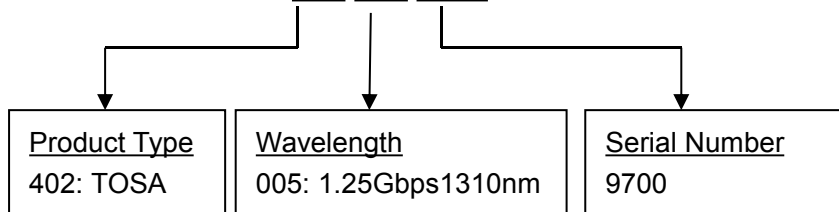
## Mechanical Dimension and Pin Assignment:



## Order Information:

SAN-U P/N:

**402 005 9700**



## Statement:

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