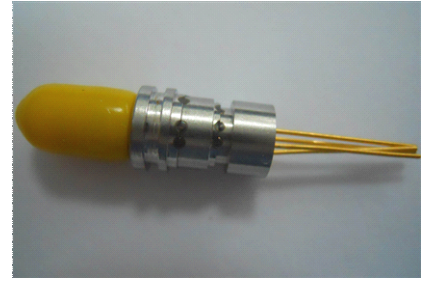


## 1.25G 1310nm FP LD TOSA

**FT-F3433xxS-00**

### Features:

High stability FP laser chip  
Data rate Up to 1.25Gbit/s  
Operate temperature from -40°C to +85°C  
SC Receptacle



### Absolute Maximum Ratings

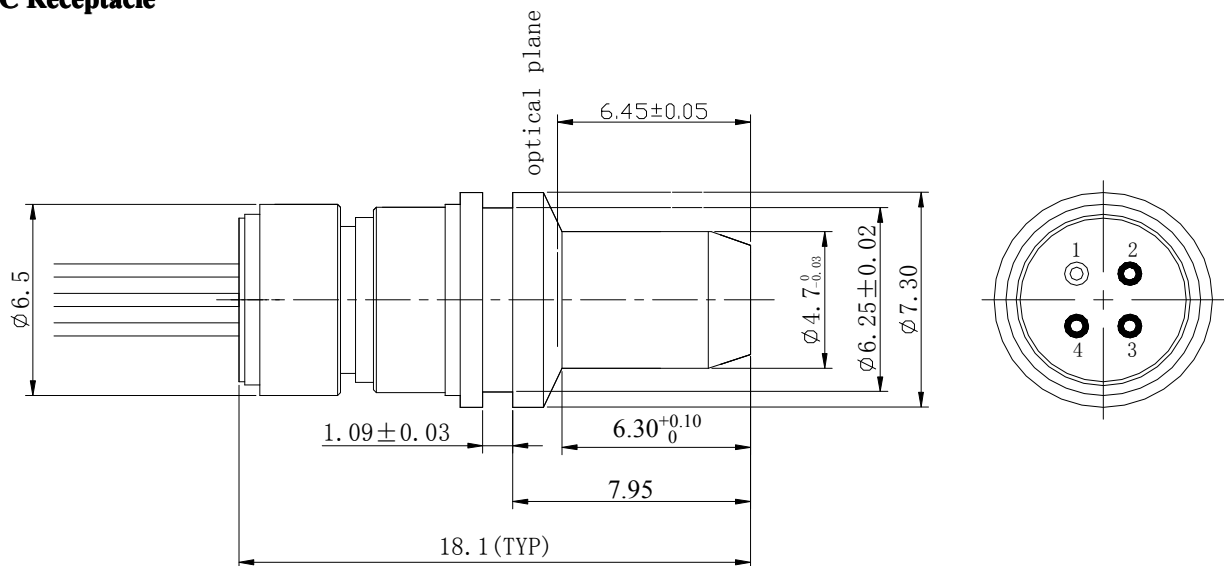
Parameter	Symbol	Condition	Min	Max	Unit
Operating Case Temperature	$T_c$	--	-40	85	°C
Storage Temperature	$T_{stg}$	--	-40	85	°C
Lead solder Temperature	--	--		260	°C
Lead Soldering Time	--	--		10	s

### Optical/Electrical Characteristics (T=25°C, unless otherwise stated)

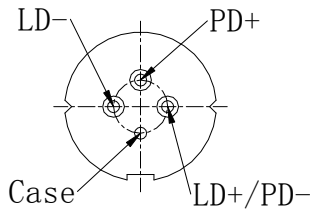
Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Optical Output Power	$P_o$	0.5	--	1.0	mW	CW, $I_{op}=30mA$
Threshold Current	$I_{th}$	--	10	15	mA	T=25 °C
Forward Voltage	$V_F$	--	1.1	1.6	V	
Operating Current	$I_{op}$	--	30	35	mA	CW, T=25 °C
Center Wavelength	$\lambda_c$	1290	1310	1330	nm	CW, T=25 °C
Spectral Width (-20 dB)	-	--	--	3.5	nm	
Rise/Fall Times	$t_R, t_F$	--	--	0.2	ns	20% to 80%
Monitor Current	$I_{mon}$	100	--	1000	$\mu A$	$V_R=5 V$ ,
Monitor Dark Current	$I_D$	--	--	0.1	$\mu A$	$V_R=5 V$

### Dimensions And Pin Type

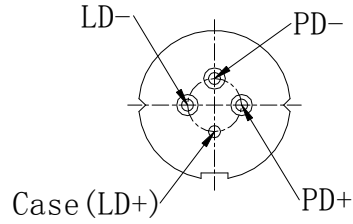
#### SC Receptacle



**Pin Type**



4A-TYPE



4S-TYPE

**Order information**

FT-F3433xxS-00

Pin Type: 4A—4A Type  
4S-- 4S Type