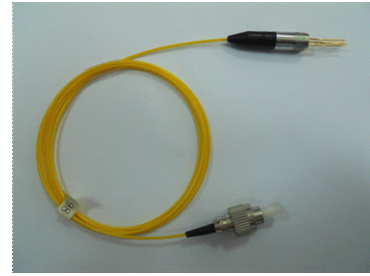


## CWDM DFB Pigtail TOSA

**FT-xx652xxx-00**

**Features:**

- High stability CWDM DFB laser chip
- Data rate Up to 2.5Gbit/s
- Operate temperature from -20°C to +70°C
- SC&FC&LC Pigtail Connector



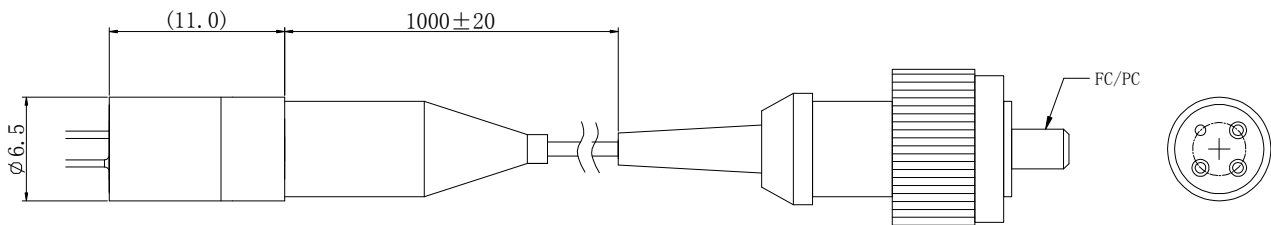
**Absolute Maximum Ratings**

Parameter	Symbol	Condition	Min	Max	Unit
Operating Case Temperature	T <sub>c</sub>	--	-20	70	°C
Storage Temperature	T <sub>stg</sub>	--	-40	85	°C
Lead solder Temperature	--	--		260	°C
Lead Soldering Time	--	--		10	s

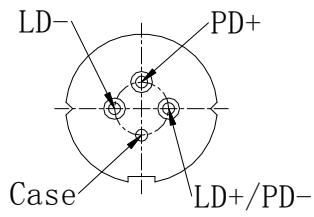
**Optical/Electrical Characteristics (T=25°C, unless otherwise stated)**

Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Optical Output Power	P <sub>o</sub>	1.5	2.5	4.0	mW	CW, I <sub>op</sub> =30mA
Threshold Current	I <sub>th</sub>	--	8	15	mA	T=25 °C
Forward Voltage	V <sub>F</sub>	--	1.1	1.6	V	
Operating Current	I <sub>op</sub>	--	30	40	mA	CW, T=25 °C
Center Wavelength	λ <sub>c</sub>	λ <sub>p</sub> -3	λ <sub>p</sub>	λ <sub>p</sub> +3	nm	CW, T=25 °C
Side-mode Suppression Ratio	SMSR	35	40	--	dB	I <sub>op</sub> =30mA
Spectral Width (-20 dB)	-	--	0.1	1.0	nm	
Rise/Fall Times	t <sub>R</sub> , t <sub>F</sub>	--	--	0.1	ns	20% to 80%
Monitor Current	I <sub>mon</sub>	100	--	1000	μA	V <sub>R</sub> =5 V,
Monitor Dark Current	I <sub>D</sub>	--	--	0.2	uA	V <sub>R</sub> =5 V

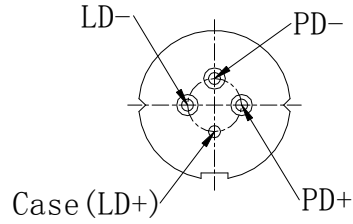
**Dimensions And Pin Type**



**Pin Type**



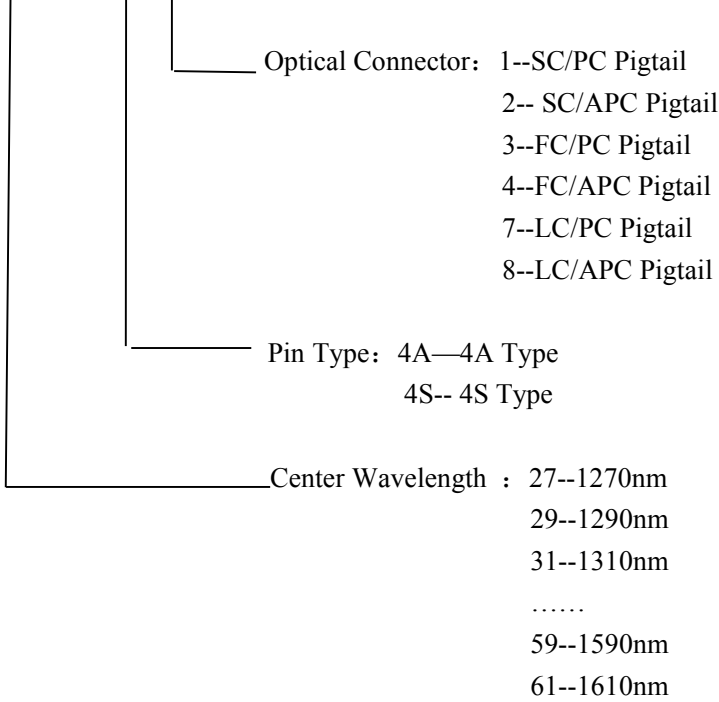
4A-TYPE



4S-TYPE

**Order information**

FT - x x 6 5 2 x x x - 0 0



- Optical Connector: 1--SC/PC Pigtail  
 2-- SC/APC Pigtail  
 3--FC/PC Pigtail  
 4--FC/APC Pigtail  
 7--LC/PC Pigtail  
 8--LC/APC Pigtail

Pin Type: 4A—4A Type  
 4S-- 4S Type

Center Wavelength : 27--1270nm  
 29--1290nm  
 31--1310nm  
 .....  
 59--1590nm  
 61--1610nm