

10mW 1310nm DFB Pigtail TOSA

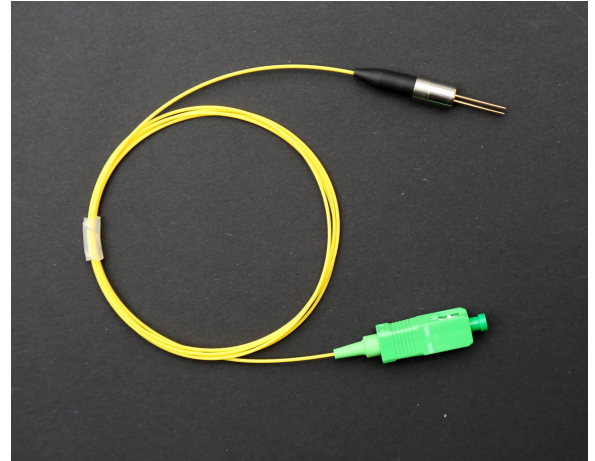
FT-D34034Sx-00

1. Description:

The FT-D34034Sx-00 is a DFB Pigtail TOSA modules have been designed specifically for CATV forward-path path over a single fiber. The high quality DFB laser diode with coaxial package can meet the requirements of high linearity and high power of CATV optical transmitter system、analog system and ROF systems.The devices are particularly suited for CATV application.

2. Features:

High stability MQW-DFB laser chip
 Built-in InGaAs monitor photodiode
 Operate temperature from -40°C to +85°C
 LC&SC&FC Pigtail Connector
 Follow RoHS



3. Application:

- CATV forward-path
- Analog Transmission
- ROF systems

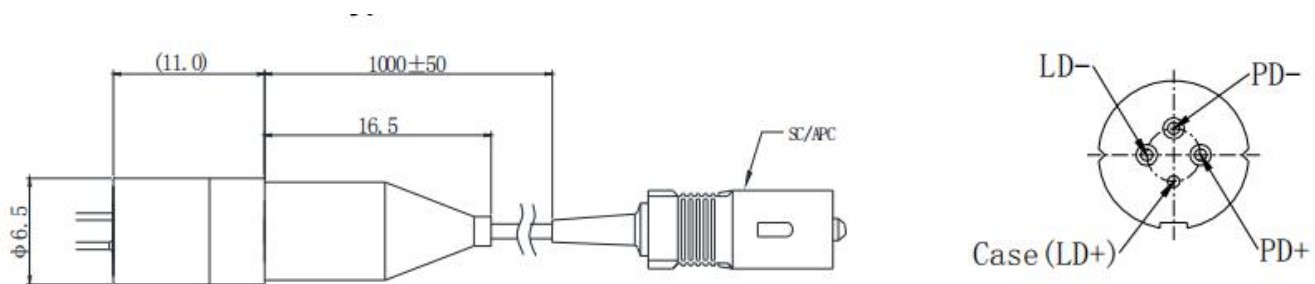
4. Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit	Condition
Module					
Operating Case Temperature	Top	-40	+85	°C	
Storage Temperature	Tstg	-40	+85	°C	
Solderability	Stemp	--	350°C(<5S)	°C,S	ANSJ/J-ATD-002
			260°C(<10S)	°C,S	
ESD susceptibility	ESD	--	300	V	
Laser Diode					
Forward Current	If	--	120	mA	CW
Forward Voltage	Vf	--	2	V	CW
Monitor PD Forward Current	Imf	--	2	mA	
Monitor PD Reverse Voltage	Vmf	--	10	V	
Fiber tensile load (10 sec. Max.)	--	10	--	N	

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

Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Optical Output Power	P_o	10	--	--	mW	CW, $I_{op}=60mA$
Threshold Current	I_{th}	--	12	18	mA	T=25 °C
Forward Voltage	V_F	--	1.3	2.0	V	CW, $I_{op}=60mA$
Operating Current	I_{op}	--	50	80	mA	CW, T=25 °C
Monitor Current	I_{mon}	100	--	2000	μA	$V_R=5 V$,
Monitor Dark Current	I_D	--	--	0.1	μA	$V_R=5 V$
Center Wavelength	λ_c	1300	1310	1320	nm	CW, T=25 °C
Side-mode Suppression Ratio	SMSR	35	--	--	dB	CW, $I_{op}=30mA$
Spectral Width (-20 dB)	$\Delta\lambda$	--	--	1	nm	CW, $I_{op}=30mA$
Isolator	ISO	35	--	--	dB	CW, T=25 °C
Tracking Error	TE	-1	--	1	dB	APC, -40~85 °C
PD Capacitance	C_t	--	--	10	PF	VRD=5V, f=1 MHz
Carrier Noise Ratio	CNR	51	--	--	dB	84CH,PAL
Composite Second Order	CSO	--	--	-55	dBc	84CH,PAL
Composite Triple Beat	CTB	--	--	-65	dBc	84CH,PAL

6. Dimensions And Pin Type



7. Order information

FT-D34034Sx-00

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

8. Contact us

Jiangsu Fiber Grid CO., LTD
 Add: No.21 Building, 36 Nan Wei Si Lu, Zhenjiang High-Tech New City, Zhenjiang, Jiangsu China
 Zip code:212009
 Tel: (86)511-88698558/118
 (86)511-88693941/188
 Fax: (86)511-88698557
 Email:sales@fiber-grid.com
 Web: www.fiber-grid.com
 www.fiber-grid.net