



10G TOSA

产品描述

- 该产品为 1310nm 的波长/工作速率
10.3125Gb/s 光发射模块
- 发端采用 DFB/FP 激光器
- 芯片信息:
LD: 1310nm 10.3125Gpbs DFB/FP 4PIN
- 产品结构备注: LC/PC 绝缘插芯套组件, 机加工
/粉末件结构, 带隔离器 (也可不带)

产品应用

- 远程通讯

产品特点

- 采用激光焊接方案
- 上行速率为 10.3125G
- 高光学隔离
- 工作温度: -40°C~85°C
- 插拔式 LC TOSA

产品标准

- 符合 Telcordia GR - 468 可靠性测试标准
- 符合 RoHS 6 项 标准
- 符合 ROHS(对有害物质的限制)标准
- 符合 GR - 326 连接器合格标准

1. Absolute Maximum Ratings

Item	Symbol	Unit	Min	Max	Note
Storage Temperature	T _{STG}	°C	-40	+85	
Operating Temperature (ambient)	T _{OPR}	°C	-40	+85	
Lead Soldering Temperature (Max10 sec)	T _S	°C	---	260	
Forward Current (LD)	I _{FLD}	mA	---	140	
Reverse Voltage (LD)	V _{RLD}	V	---	2	

2. Transmitter Electro-Optical Characteristics (TC=25°C, CW)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Threshold Current	I _{TH}	TC=25°C	---	--	15	mA
		TC= -40~+85°C,	---	--	40	
Forward Voltage	V _F	PF=PF (Min), TC =25°C	---	---	1.5	V
Optical Output power @10KM with Isolator	P _f	CW, @ITH+20mA, 25°C	0.4	---	0.8	mW
Optical Output power @10KM with Isolator	P _f	CW, @ITH+20mA, -40~ 85°C	0.2	---	0.5	mW
Optical Output power @ <2km without Isolator	P _f	CW, @ITH+20mA, 25°C	0.4	---	0.8	mW
Optical Output power @ <2km without Isolator	P _f	CW, @ITH+20mA, -40~85°C	0.2	---	0.5	mW
Center Wavelength	λ _C	CW, TC=-40~85°C, TX;1310nm	1290	1310	1330	nm
Monitor Current	I _M	CW, Pf=lth+20mA, VRMPD=1.5V, Tc=25C,	100	---	900	uA
Optical Return Loss	RL		---	---	12	dB
Tracking Error	ΔPf/Pf	-40~+85°C, CW, Pf (lth+20mA)@IM hold	-1.5	---	+1.5	dB

3. Dimension Outline

