

Product features

- High sensitivity PIN-TIA
- Up to 1.25Gbps
- LC receptacle without fiberstub
- RoHS compliant and Lead Free
- Compliant with Telcordia GR-468 reliability test standard.
- Commercial operating temperature range: 0°C to 70°C



Applications

- SONET/SDH SFF/SFP transceiver
- Gigabit Ethernet

Absolute Maximum Ratings

Parameter	Symbol	Min.	Max.	Unit
TIA Supply Voltage	V _{cc}		+5	V
PD Supply Voltage	V _{pd}		+5	V
Supply Current	I _{cc}		50	mA
Operating Case Temperature	T _c	0	+70	°C
Storage Temperature	T _{stg}	-40	+85	°C
Lead Soldering Temperature	T _s		260/10	°C/S

Optical and Electrical Characteristics

Parameter	Symbol	SPEC.				Test Conditions
		Min.	Typ.	Max.	Unit	

Operating Wavelength	λ_d	1260	--	1620	nm	
Supply Voltage	Vcc	--	3.3	+5	V	
Supply Current	Icc	--	--	50	mA	without optical input
Optical return loss	ORL	14			dB	
Optical Sensitivity	Sen	--	--	-27.5	dBm	T _c =25℃, BER=1E-10, ER=9dB, 1.25Gbps, PRBS2 ⁷ -1 NRZ
Overload	Ps	-3	--	--	dBm	

For More Information

Company	Type	Wavelength	Data Rate	Sensitivity	Package	Customer Code	Running Code
AP	2	□	□	□	□	- □	□□
	2:ROSA	1:Long Wavelength/PIN-TIA	1:155Mbps	1:>-24	1:LC Receptacle		
		2:Long Wavelength/APD-TIA	2:622Mbps	2:-24~ -26	2:SC Receptacle		
		3:Long Wavelength/PIN	3:1.25Gbps	3:-26~ -28	3:SC/PC Pigtail		
		4:Short Wavelength/PIN-TIA	4:2.5Gbps	4:-28~ -30	4:SC/APC Pigtail		
			5:4Gbps	5:-30~ -32	5:FC/PC Pigtail		
			6:10Gbps	6:-32~ -34	6:FC/APC Pigtail		
				7:-34~ -36			
				8:≤-36			

ATOP Technology co., ltd
5/F, No.1 Building, Yuanzheng industrial park, North of Wuhe Av.
Longgang District, Shenzhen, China.
Tel: +86-755-83461686 83461606 83461605
Fax: +86-755-83461640
Email: sales@atoptechnology.com
Web: www.atoptechnology.com