

Features

- High sensitivity
- Wide dynamic range
- Differential output
- Operating temperature range 0°C to 70°C
- Single supply 3.3V/5V
- Hermetically sealed TO-46 package in LC receptacle



GaAs PIN-TIA LC ROSA

Applications

- LANS
- ATM
- FDDI
- SONET/SDH
- Gigabit Ethernet

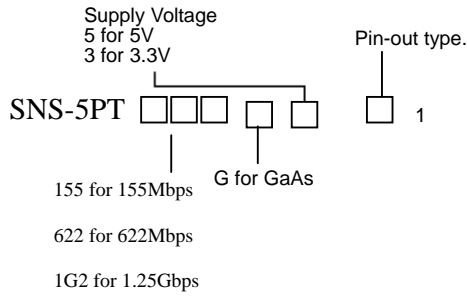
Specifications (T=25°C +5V or +3.3V)

Parameter	Symbol	Min.	Typ.	Max.	Unit	
Spectral Range	λ	850	-	950	nm	
Sensitivity	S					
155 Mbps				-32	dBm	
622 Mbps				-20	dBm	
1.25 Gbps				-17	dBm	
Input overload	P_{OL}	-3	0	-	dBm	
Rise/Fall Time	T_R / T_F		3	4.5	ns	
Common mode output voltage	V _{CM}		1.7		V	
		for 3.3V for 5.0V	1.5	2.5	3.5	V
Differential output voltage	V _D			0.8	V	
		for 3.3V for 5.0V			1.2	V
Power supply	V _{cc}	for 3.3V	3	3.3	3.6	V
		for 5V	4.5	5	5.5	V
Power supply current	I _{op}			32	mA	
				40		

Absolute Maximum Rating

	Symbol	Min.	Max.	Unit
Operating temperature	T _o	0	70	°C
Storage temperature	T _{stg}	-40	85	°C
Operating voltage	V _F	0	6.0	V
Optical input power	P _{OL}	-	+3	dBm
Lead Soldering Temperature (10 sec)	T _L	-	260	°C

Ordering Information



Pin Connections

BOTTOM VIEW

