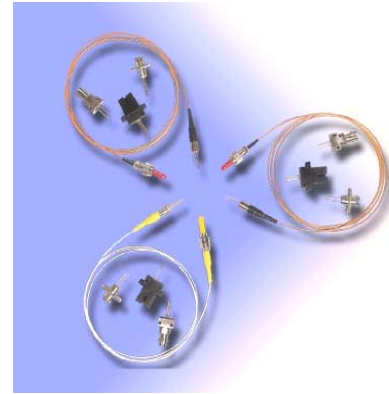




Multirate InGaAs PIN-TIA Module

The Optical SNS PIN-TIA modules use InGaAs PIN photodiodes and transimpedance amplifier integrated inside hermetically sealed TO-46 cans, which are quality-assured by name-brand manufactures. The TO-46 PIN-TIAs are actively aligned for optimum performance, and then permanently fixed inside an optical assembly to assure stable operation over operating temperature range.



The PIN-TIA modules are available as pigtailed or receptacle types with FC, ST or SC connectors, They are suitable for both panel/bulk-head and PC board mounting.

Each unit is temperature cycled and tested.

Features

- Differential output
- Operating temperature range -40°C to 85°C
- Single supply 3.3V
- Hermetically sealed TO-46 package in pigtailed or receptacle housing with FC, ST or SC connector
- AC/DC Coupled Application

Applications

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



Multirate InGaAs PIN-TIA Module

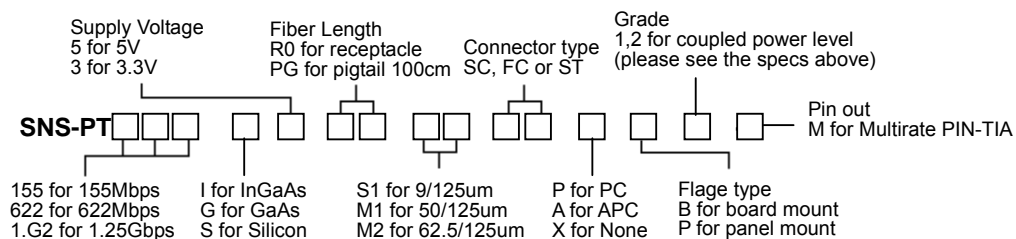
Specifications (T=25°C +3.3V)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Gain (differential output)	G	2.8		4.5	mv/uw
Bandwidth	B	1.6	-	-	GHz
Spectral Range	λ	1150	-	1600	nm
Sensitivity	S	-20			dBm
Input overload	P _{OL}	-3	0	-	dBm
Differential Output Resistance (OUT+ , OUT-)		85	100	115	Ω
Maximum Differential Output Voltage	VOD	220	280	400	mVp-p
Power supply current	I _{op}	-	-	41	mA

Absolute Maximum Rating

	Symbol	Min.	Max.	Unit
operating temperature	T _o	-40	85	°C
storage temperature	T _{stg}	-55	125	°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



Multirate InGaAs PIN-TIA Module

BOTTOM VIEW



UNIT : MM

PIN CONNECTIONS

