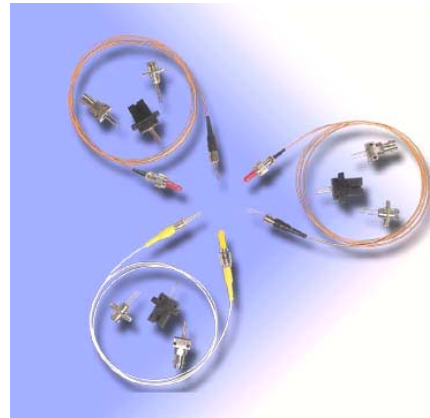


InGaAs APD PIN-TIA Module

Features

- High sensitivity
- Automatic gain control
- Wide dynamic range
- 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, SC, LC, MU or SMA connector



InGaAs APD PIN-TIA Module

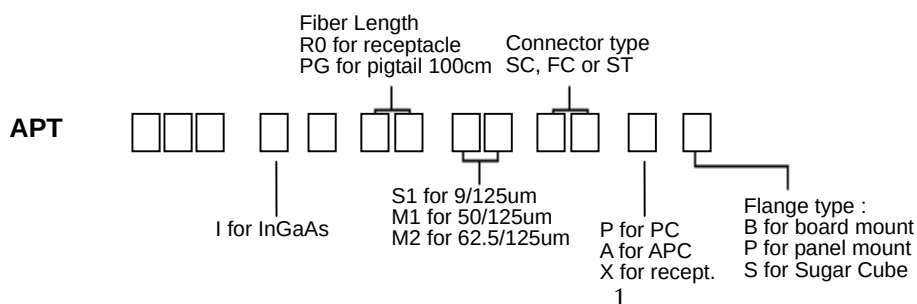
Specifications (T=25°C , +3.3V)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Gain (differential output)	G	200			mV/uW
Bandwidth	B	1.65	2.05	-	GHz
Low Frequency Cut Off		-	3	5	KHz
Spectral Range	λ	1150	-	1600	nm
APD Breakdown Voltage		33		46	V
Sensitivity	S				
1.25 Gbps		-37	-	-34	dBm
2.5 Gbps		-	-	-31	dBm
Input overload	P _{OL}	-3	0	3	dBm
Power supply current	I _{op}	-	45	60	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
Supply Voltage 5V	-	-0.2	7	V
Supply Voltage 3.3V	-	-0.2	4	V

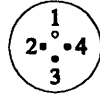
Ordering Information



InGaAs APD PIN-TIA Module

Pin Connections

BOTTOM VIEW

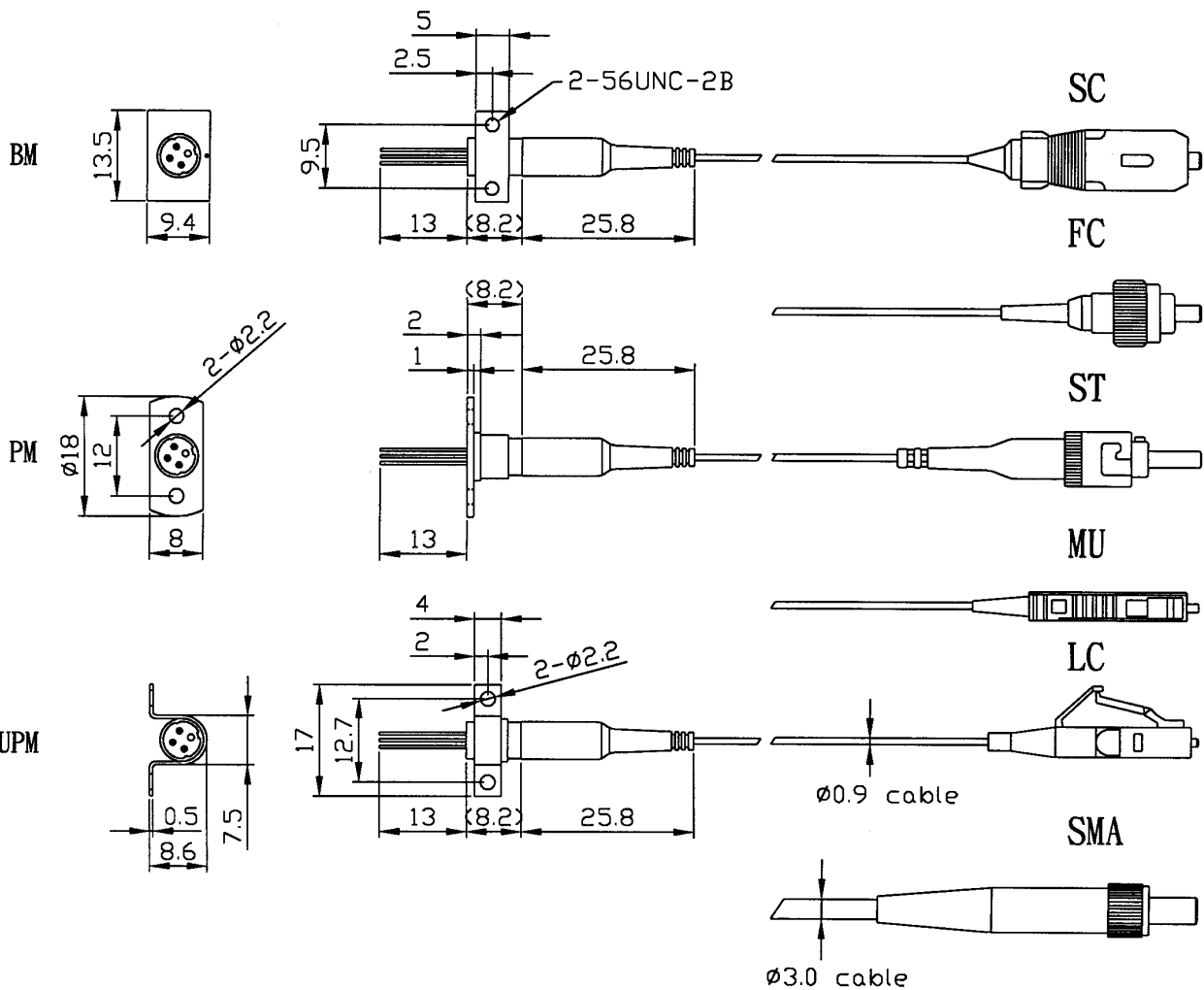


B
GND
Data out
VCC
Data out
155Mbps, 622Mbps

A
GND
Data Out
VCC
Data out
1.25Gbps

Dimension

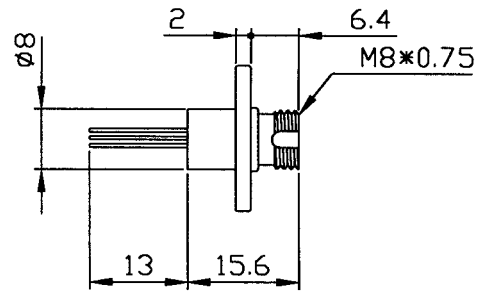
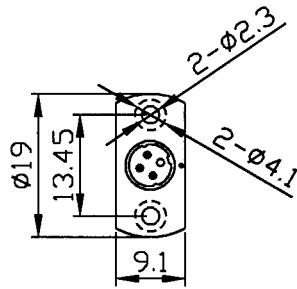
Pigtail Type



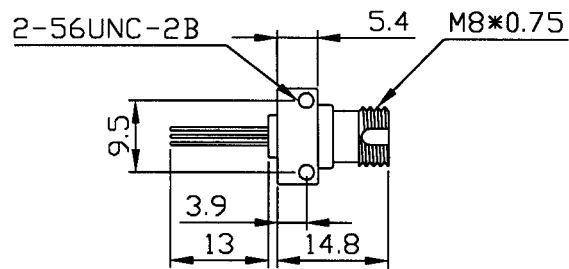
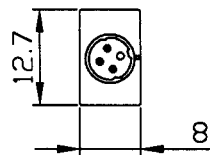
InGaAs APD PIN-TIA Module

Receptacle Type

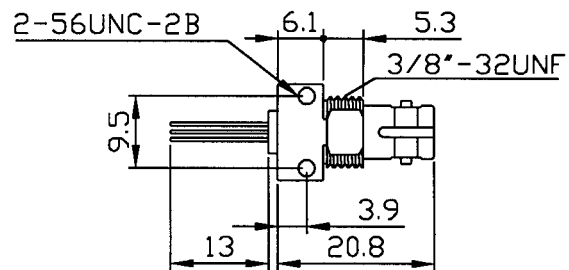
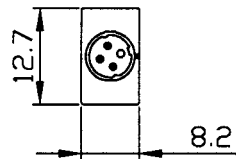
FC-PM



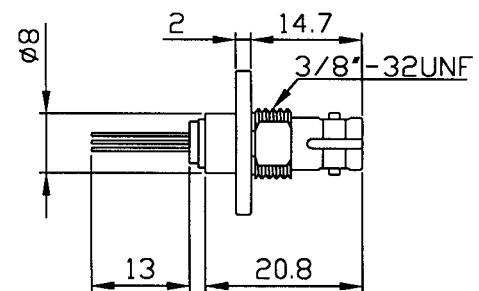
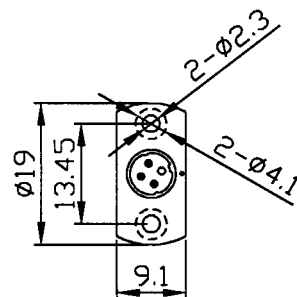
FC-BM



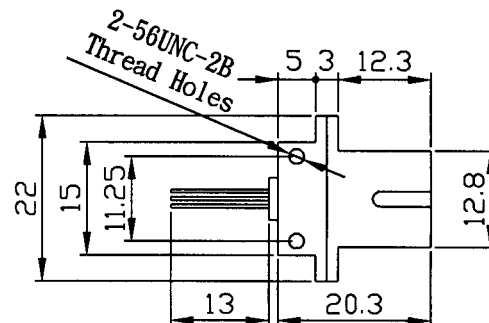
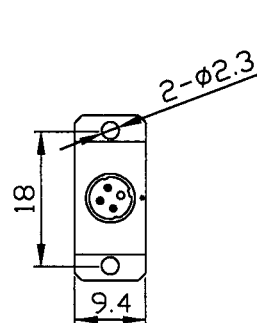
ST-BM



ST-PM



SC

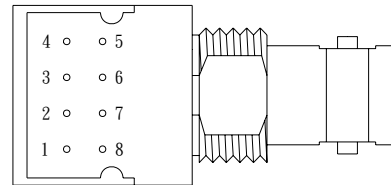


InGaAs APD PIN-TIA Module

Sugar Cube

Pin Connections (Type B)

PIN No.	FUNCTION
1	NC
2	SIGNAL
3	Vee (GND)
4	NC
5	NC
6	Vcc
7	Vee (GND)
8	NC



BOTTOM VIEW

Dimension (ST Receptacle) Unit mm

