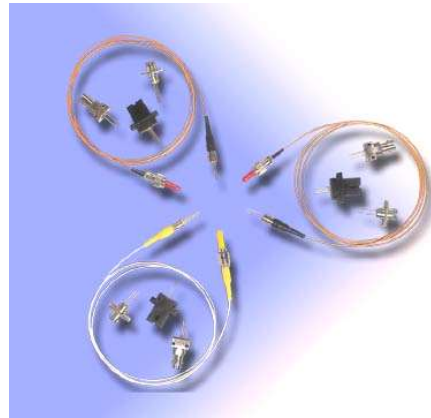


InGaAs PIN Photodiode Module

Features

- High Responsivity
- High speed, typical 2 GHz
- Low dark current, < 1nA
- Low capacitance, typical 1.3pF
- Operating temperature range -40°C to 85°C
- Hermetically sealed TO-18 package in pigtailed or receptacle housing with FC, ST, SC, LC, MU or SMA connector



Specifications (T=25°C, -5V)

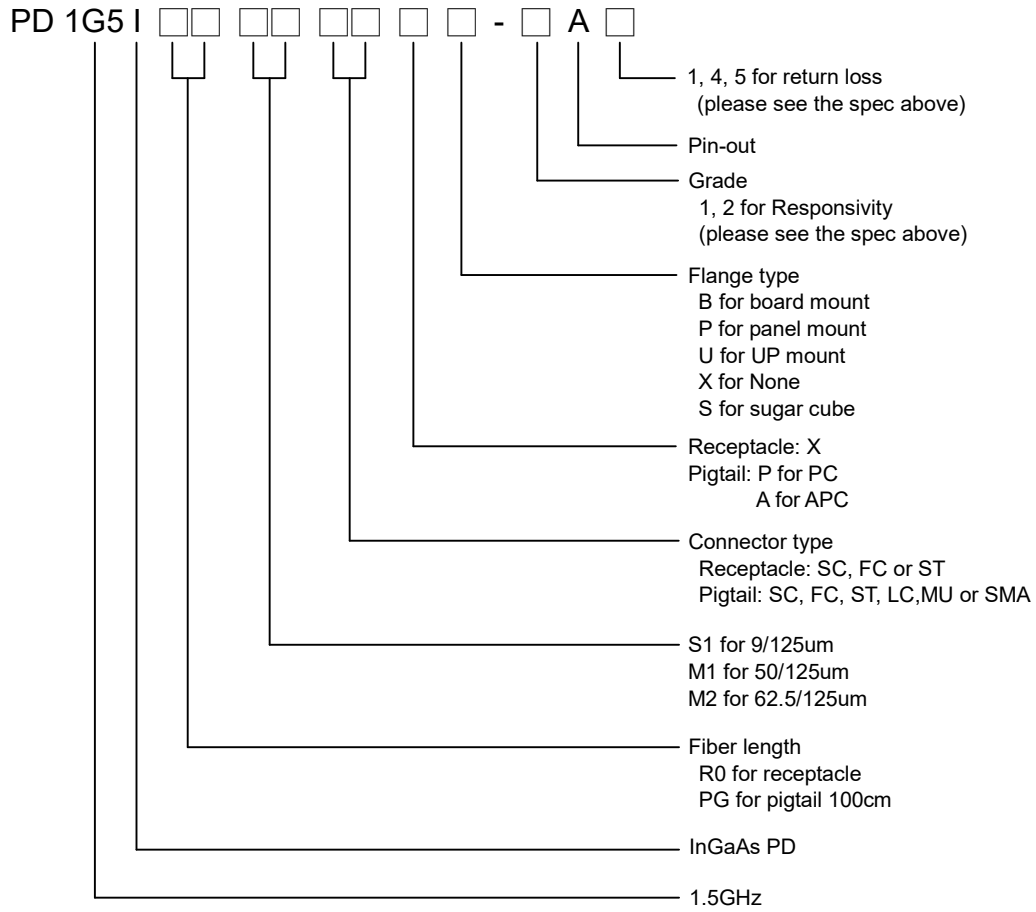
Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Responsivity	R					
9/125 um fiber	-1 -2	Laser source of 10 uW($\lambda=1310\text{nm}$)	0.7 0.8	0.8 0.9	- -	A/W
50/125 um fiber	-1 -2	LED source of 10 uW($\lambda=1310\text{nm}$)	0.65 0.75	0.75 0.85	- -	A/W
62.5/125 um fiber	-1 -2	LED source of 10 uW($\lambda=1310\text{nm}$)	0.6 0.7	0.7 0.8	- -	A/W
Spectral Range		-	1250	-	1650	nm
Dark Current	I_d	$V_R=2\text{V}$, 0 to 1MHz	-	-	1	nA
Capacitance	C_t	$V_R=2\text{V}$, 1MHz	-	1.1	1.3	pF
Rise/fall Time	tr/tf	$V_R=2\text{V}$, 20% to 80%	-	145	170	ps
Bandwidth	B		1.85	2	-	GHz
Return Loss (9/125 um fiber only)						
-1			14	-	-	dB
-4			40	-	-	dB
-5			50	-	-	dB

Absolute Maximum Rating

	Symbol	Min.	Max.	Unit
Operating Temperature	T_o	-40	+85	°C
Storage Temperature	T_{stg}	-40	+125	°C
Forward Current	I_F	-	10	mA
Reverse Voltage	V_R	-	20	V
Lead Soldering Temperature (10 sec)	T_L	-	260	°C

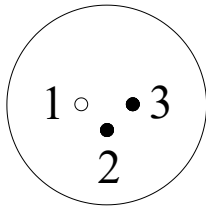
InGaAs PIN Photodiode Module

Ordering Information



InGaAs PIN Photodiode Module

BOTTOM VIEW

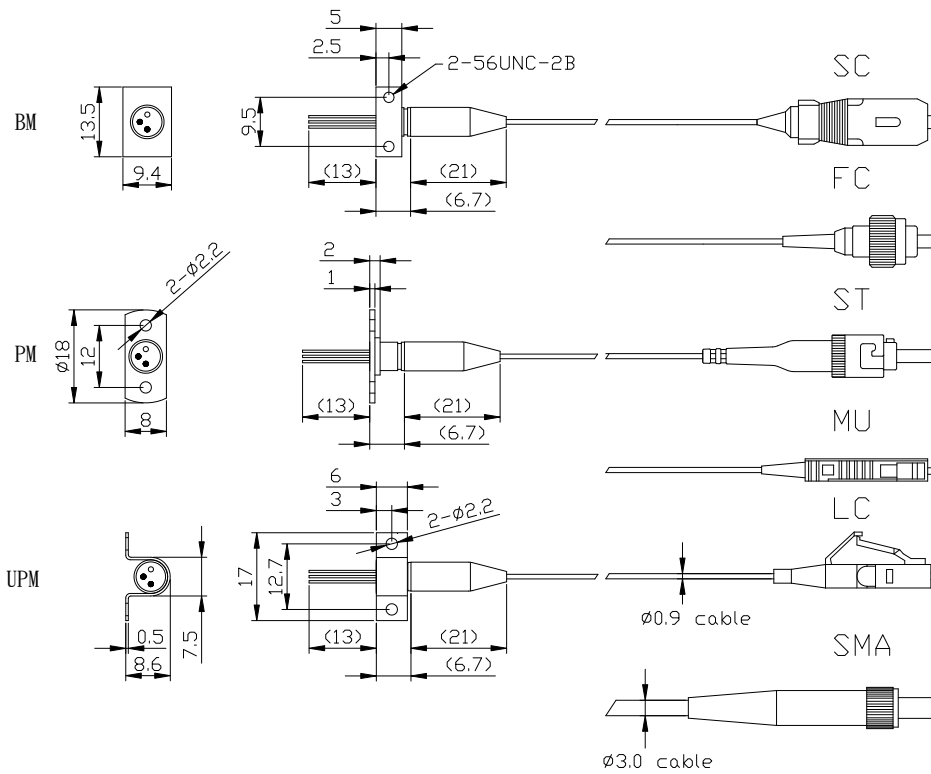


1 Case ○ ● 3 PD+

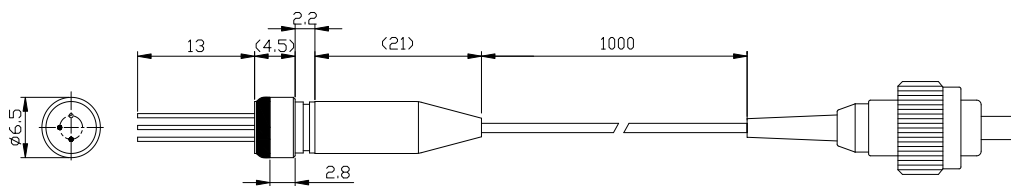
● 2 PD-

UNIT : MM

Pigtail:



No mount:



InGaAs PIN Photodiode Module

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Receptacle:

