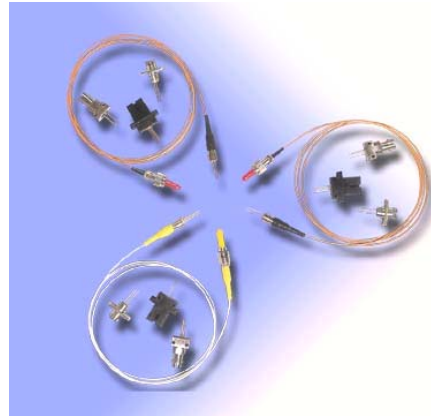


# 3.5G GaAs PIN Photodiode Module

## Features

- High Responsivity
- High speed, typical 3.5 GHz
- Low dark current, < 1nA
- Low capacitance, typical 0.7pF
- 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



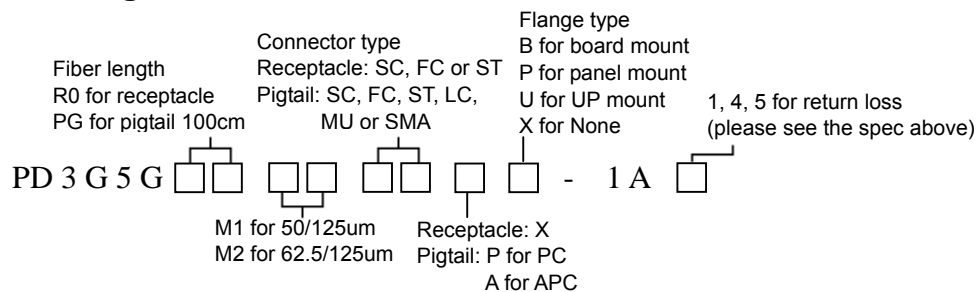
## Specifications (T=25°C, -5V)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Responsivity(62.5/125 um fiber)	R	LED source of 10 uw	0.4	0.5	-	A/W
Spectral Range	$\lambda$	-	800	-	900	nm
Dark Current	$I_d$	$V_R=5V$	-	0.1	1.0	nA
Capacitance	$C_t$	$V_R=5V, f=1MHz$	-	0.6	0.7	pF
Rise/Fall Time	tr/tf	20% to 80%	-	100	130	ps
Bandwidth	B	$V_R=2V, R_L=50\Omega$	-	3.5	-	GHz
Return Loss						
-1(Receptacle)			14	-	-	dB
-4(Receptacle or Pigtail)			40	-	-	dB
-5(Pigtail)			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	$I_F$	-	5	MA
Reverse Voltage	$V_R$	-	30	V
Reverse Current	$I_R$	-	500	uA
Lead Soldering Temperature (10 sec)	$T_L$	-	260	°C

## Ordering Information

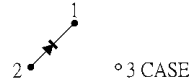


# 3.5G GaAs PIN Photodiode Module

BOTTOM VIEW



PIN CONNECTIONS



UNIT : MM

