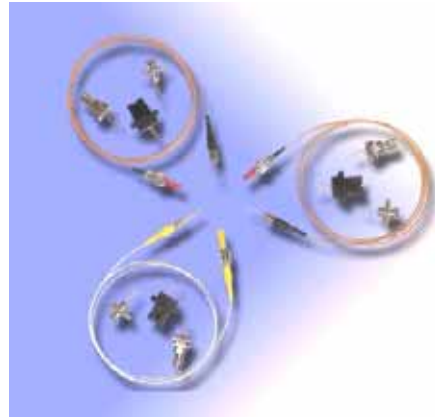


1.5GHz GaAs PIN Photodiode Module

Features

- High Responsivity
- High speed, typical 1.5 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



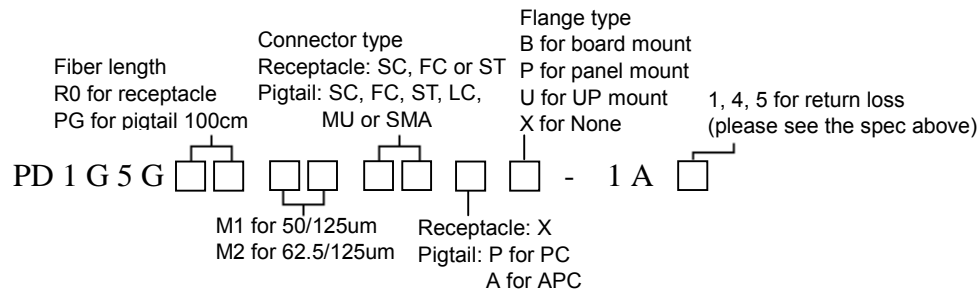
Specifications (T=25°C, -5V)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Responsivity(62.5/125 um fiber)	R	LED source of 10 uw	0.3	0.4	-	A/W
Spectral Range	λ	-	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/ta	20% to 80%	-	100	130	ps
Bandwidth	B	$V_R=2V, R_L=50\Omega$	-	1.5	-	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

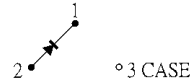
Ordering Information



1.5GHz GaAs PIN Photodiode Module

BOTTOM VIEW

PIN CONNECTIONS



UNIT : MM

