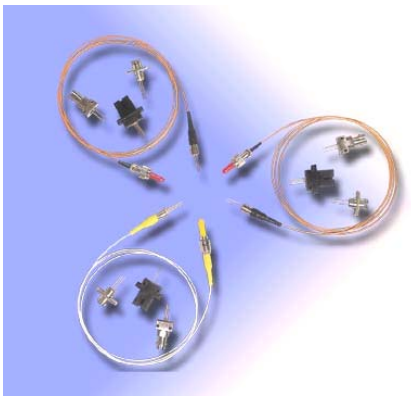
Silicon PIN Photodiode Module

Features

- High Responsivity
- High speed
- Low dark current, < 10nA
- Low capacitance, typical 6pF
- 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



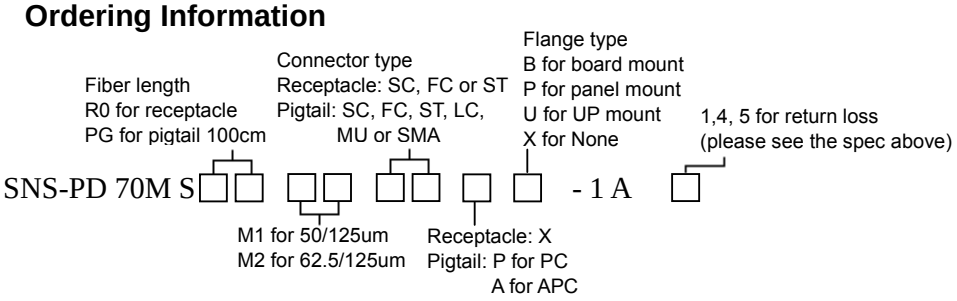
Specifications (T=25°C)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Responsivity (62.5/125 um fiber)	R	LED source of 1mW(λ=850nm)	0.3	0.4	-	A/W
Spectral Range	λ	-	800	-	1200	nm
Dark Current	Id	V_R=10V	-	-	10	nA
Capacitance	Ct	V_R=5V,f=1MHz	-	6	-	pF
Rise/Fall Time	tr/tf	20% to 80%	-	10	-	ns
Bandwidth	B	V_R=2V,R_L=50Ω	-	70	-	MHz
Return Loss						
-1(Receptacle)			14	-	-	dB
-4(Receptacle or Pigtail)			40	-	-	dB
-5(Pigtail)			50	-	-	dB

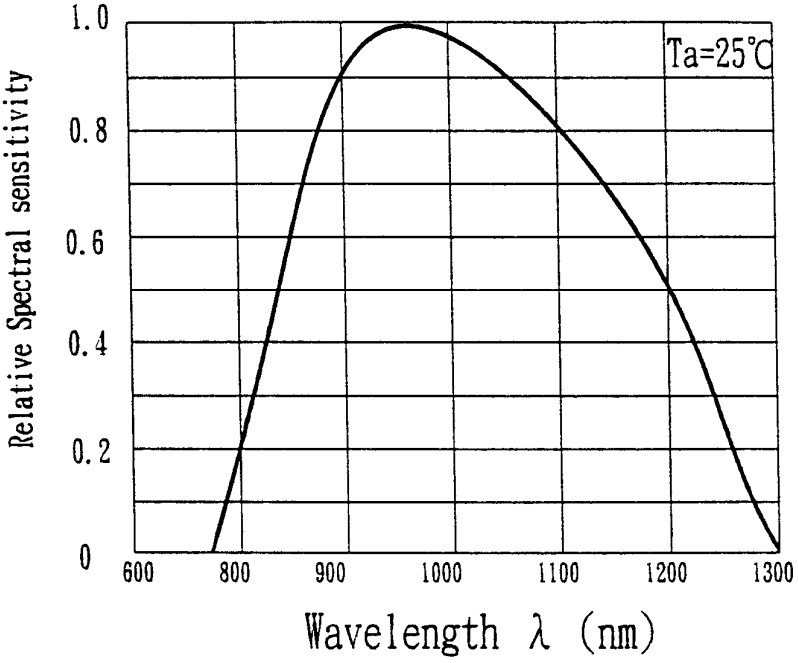
Absolute Maximum Rating

	Symbol	Min.	Max.	Unit
Operating Temperature	To	-40	+85	°C
Storage Temperature	T_{stg}	-40	+125	°C
Forward Current	I_F	-	7	mA
Reverse Voltage	V_R	-	30	V
Reverse Current	I_R	-	7	mA
Lead Soldering Temperature (10 sec)	T_L	-	260	°C

Ordering Information



Spectral Sensitivity



Silicon PIN Photodiode Module

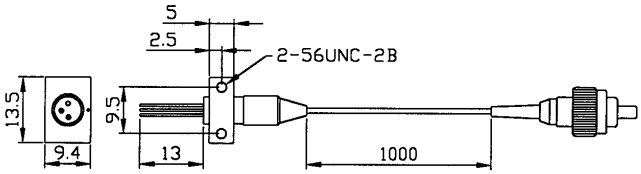
BOTTOM VIEW

PIN CONNECTIONS

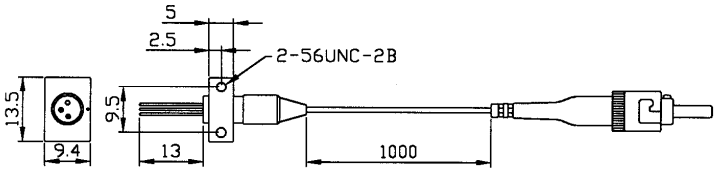
3 CASE

UNIT : MM

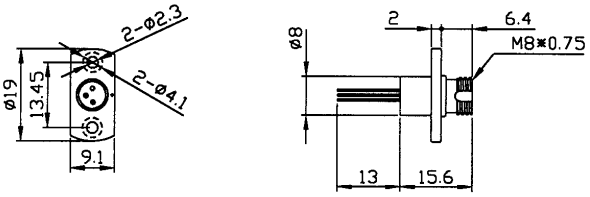
FC-BM



ST-BM



FC-PM



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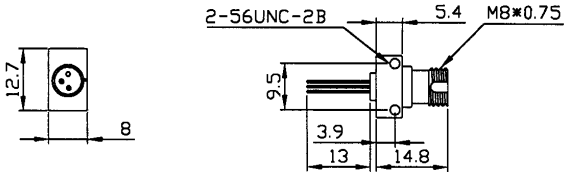

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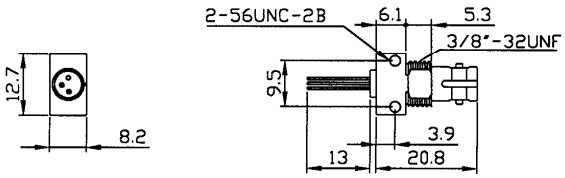

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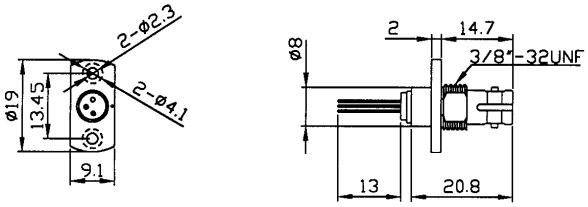
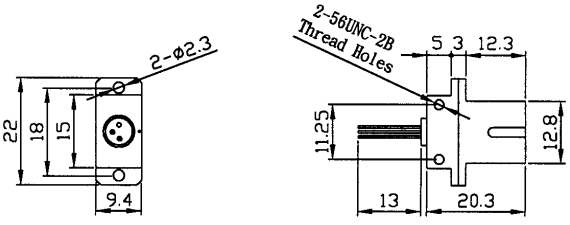
SC