

**Specifications  
for Surface Mount Type PD-Preamp Module  
with Multi Mode Fiber**

**622Mbps  
OD8226P**

Receipt



**Issued: Mar. / 12 / 01**

Drawing Number:JOG-00827

1<sup>st</sup> edition

OD8226P

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## OD8226P PD-Preamp Module

### 1.DESCRPTION

The surface mount type PD-Preamp module is a 1.3 $\mu$ m, InGaAs PIN photo diode coupled to a multi mode fiber with a pigtail. It is designed for STM4/OC12.

### 2.ABSOLUTE MAXIMUM RATINGS

(Ta=25 Deg.C, unless otherwise specified)

Parameter	Ratings	Unit
Supply Voltage	5.5	V
Optical Input Power	4	dBm
Operating Temperature(Ta)	-40 to 85	Deg.C
Storage Temperature	-40 to 85	Deg.C
Lead Soldering Temperature (10s)	260	Deg.C

### 3.SPECIFICATION

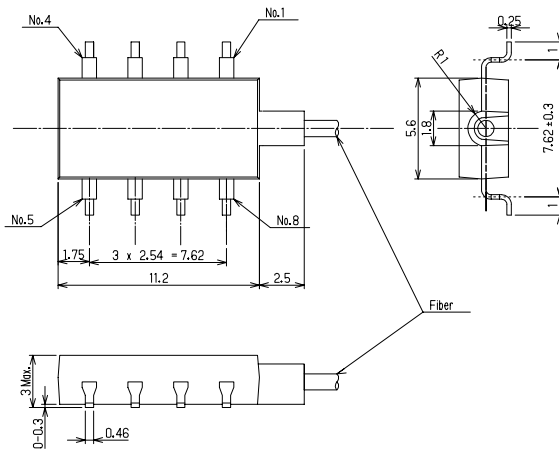
(Ta=25 Deg.C, Wavelength=1310nm)

Parameter	Conditions	Min	Typ	Max	Unit
Supply Voltage	-	3.0	3.3	3.6	V
Supply Current	-	12	25	35	mA
Bandwidth	f <sub>3dB</sub>	-	590	-	MHz
Responsivity	Differential ,measured with -22dBm signal	3.7	-	6.8	kV/W
Sensitivity	BER<10 <sup>-10</sup> (Note1)	-	-33.2	-	dBm
Low Frequency Cutoff	f <sub>3dB</sub>	-	-	150	KHz
Optical Return Loss		-	-	-27	dB

Note1:Data rate:622Mbps;data sequence:PRBS 2<sup>23</sup>-1

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#### 4. OUTLINE DRAWING (unit : mm)



No.	Function
1	Vcc
2	GND
3	GND
4	OUTN(-)
5	OUTP(+)
6	NC
7	NC
8	GND

#### 5. CONNECTOR AND FIBER SPECIFICATIONS

Connector	SC-PC
Fiber	50μm Multi Mode Fiber Diameter : 0.9mm Color : Blue Bending Radius : 20mm(min) Heat-resistant Length : 1000mm

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