

# PN335-004 (Tentative)

## PIN Photodiode Module

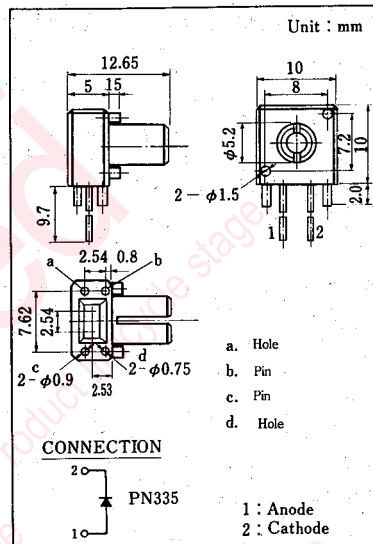
For Optical Fiber Communication Systems

### ■ Features

- Plastic type connector module
- Coupling characteristics suitable for plastic fiber
- High quantum efficiency
- High-speed, -3dB modulation of 100MHz

### ■ Absolute Maximum Ratings (Ta=25°C)

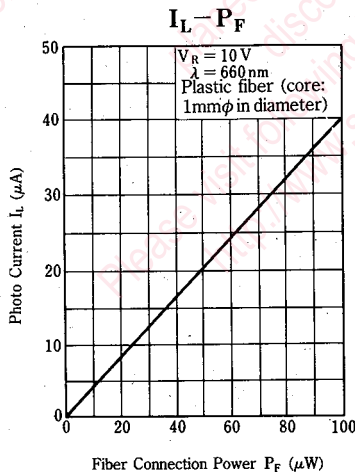
Item	Symbol	Value	Unit
Reverse Voltage (DC)	$V_R$	12	V
Power Dissipation	$P_D$	100	mW
Operating Ambient Temperature	$T_{opr}$	-25 ~ +65	°C
Storage Temperature	$T_{stg}$	-25 ~ +65	°C



### ■ Electro-Optical Characteristics (Ta=25°C)

Item	Symbol	Condition	min.	typ.	max.	Unit
Dark Current	$I_D$	$V_R=10V$		0.1	10	nA
Peak Sensitivity Wavelength	$\lambda_P$	$V_R=10V$		900		nm
Cutoff Frequency	$f_C$	$V_R=10V, R_L=50\Omega$		100		MHz
Capacitance between Terminals	$C_t$	$V_R=10V, f=1MHz$		7		pF
Responsibility	$R^*$	$V_R=10V, \lambda=660nm$		0.4		A/W

\* Plastic Fiber 1 mmφ



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