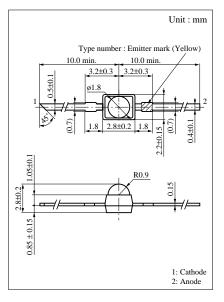
# **PNA3W01L** (PN307)

### **PIN Photodiode**

For optical control systems

#### Features

- High sensitivity, high reliability
- Peak sensitivity wavelength matched with infrared light emitting diodes :  $\lambda_p = 800$  nm (typ.)
- Double end type small size package



#### Absolute Maximum Ratings ( $Ta = 25^{\circ}C$ )

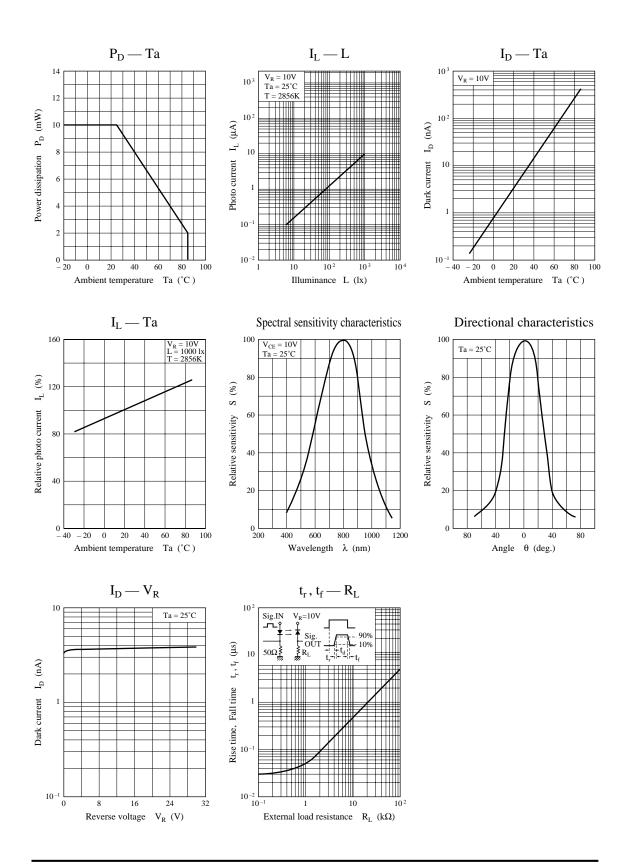
	-			
Parameter	Symbol	Ratings	Unit	
Reverse voltage (DC)	V <sub>R</sub>	30	V	
Power dissipation	P <sub>D</sub>	10	mW	
Operating ambient temperature	T <sub>opr</sub>	-25 to +85	°C	
Storage temperature	T <sub>stg</sub>	-30 to +100	°C	

#### Electro-Optical Characteristics ( $Ta = 25^{\circ}C$ )

Parameter	Symbol	Conditions	min	typ	max	Unit
Dark current	ID	$V_R = 10V$			50	nA
Photo current	IL	$V_{R} = 10V, L = 1000 lx^{*}$	5			μΑ
Peak sensitivity wavelength	$\lambda_{\rm P}$	$V_R = 10V$		800		nm
Acceptance half angle	θ	Measured from the optical axis to the half power point		24		deg.

\* Measurements were made using a tungsten lamp (color temperature T = 2856K) as a light source.

Note) The part number in the parenthesis shows conventional part number.



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