TRR-1A33

Connectorized High-speed InGaAs PIN

FEATURES:

- Industry standard connector of metallic ST*-type receptacle.
- Pre-aligned for multi-mode fibers.
- Bandwidth > 1.5 GHz
- Low dark current and low capacitance.



ELECTRO-OPTICAL CHARACTERISTICS:

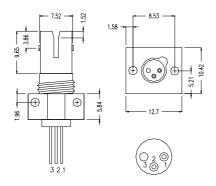
PARAMETERS	SYMBOL	MIN	TYP	MAX	UNIT	TEST CONDITIONS
Responsivity (1)	R	0.6	0.8		A/W	$V_R = 5 \text{ V}, \lambda = 1300 \text{ nm}$
Dark Current	I_D		1	2	nA	$V_R = 5 \text{ V}$
Breakdown Voltage	V_{BD}		35		V	$I_R = 10 \mu A$
Capacitance (3)	С		1.5	2.0	pF	$V_R = 5 \text{ V}, f = 1 \text{ MHz}$

- 1. The responsivity is measured by using the 1300 nm LED as optical light source to 50/125 um or 62.5/125 um multimode fibers.
- $2. \ The \ responsivity \ is \ measured \ by \ using \ the \ 850 \ nm \ VCSEL \ as \ optical \ light \ source \ to \ 50/125 \ um \ or \ 62.5/125 \ um \ multimode \ fibers.$
- 3. Sensitive area is typical 120µm in diameter.

ABSOLUTE MAXIMUM RATINGS:

PARAMETERS	MIN	MAX	UNIT	CONDITIONS
Storage Temperature	-40	100	°C	
Operating Temperature	-20	85	°C	
Lead Solder Temperature		260	°C	10 seconds

OUTLINE DIMENSIONS:



Pinout 1.Anode 2.Cathode 3.NC