

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 V, λ = 1300 nm
Dark Current	I _D		1	2	nA	V _R = 5 V
Breakdown Voltage	V _{BD}		35		V	I _R = 10 μA
Capacitance ⁽³⁾	C		1.5	2.0	pF	V _R = 5 V, f = 1 MHz

1. The responsivity is measured by using the 1300 nm LED as optical light source to 50/125 μm or 62.5/125 μm multimode fibers.
2. The responsivity is measured by using the 850 nm VCSEL as optical light source to 50/125 μm or 62.5/125 μm 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:

