

NIR2200D1N1

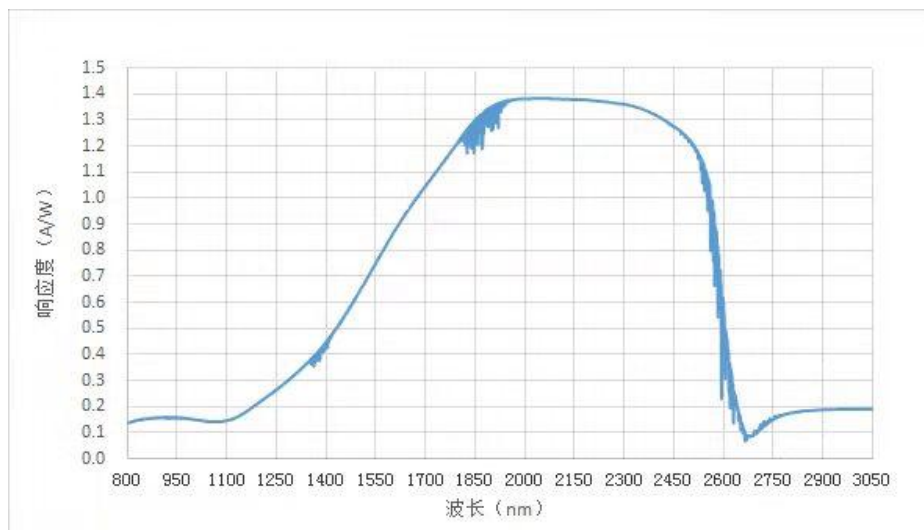
Description

NIR2200D1N1 photodiode is ideal for measuring both pulsed and CW fiber light sources by converting optical power into electrical current. The detector is in a TO-46 package with an anode, cathode, and case connection. The photodiode anode produces a current, which is a function of the incident light power and the wavelength. The responsivity, $R(\lambda)$, can be read from the plot on the following page to estimate the amount of photocurrent. This can be converted to a voltage by placing a load resistor, (RL), from the photodiode anode to the circuit ground.

Specifications

Parameter	Symbol	Test Condition	Value	Unit
Spectral response range	λ		900-2600	nm
Peak sensitivity wavelength	λ_P		2200	nm
Photosensitivity	S	At 1550nm	0.70	A/W
Dark Current	ID	V=-1.0V	30	uA
Capacitance	C	V = -1V, f =1MHz	260	pF
Shunt Resistance	R0	V \approx -10mv	6.00	k Ω
Detectivity	D*	$\lambda = \lambda_P$	9×10^{10}	cm \cdot Hz ^{1/2} /W
Noise equivalent power	NEP	Vat D*	3×10^{-12}	W/Hz ^{1/2}

Spectral response



Package dimensions

