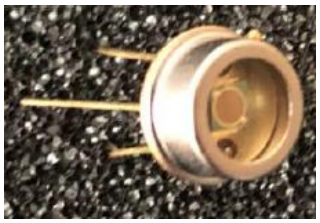
Large Area 2,6µm InGaAs Photodiode

IGA2000-2.6T 2mm dia active area 800nm – 2600nm

Stand 2026



Description

Our IGA2000-2.6T is a large area 2,6µm cut-off InGaAs Photodiode designed for Laser Power Meters, Spectral Analysis, Remote Temperature Sensing, Low Light Level Detection and Single Photodiode SWIR Camera. Its active area is large with 2000 µm diameter. Our IGA2000-2.6T provides high responsivity and a low noise in the spectral range between 800nm and 2600nm with its spectral peak at 2500nm. The IGA2000-2.6T chip is sealed in a modified TO5 package.

Features

- High Operational Frequency Range
- Large Active Area
- Low Dark Current
- Competitive Prices
- Low Bias Voltage Operation
- High Shunt Resistance
- Spectral Range between 800nm - 2600nm
- Competitive Lead Times

Applications

- Laser Power Meters
- Low Light Level Detection
- Spectral Analysis
- Single Pixel SWIR Camera
- Remote Temperature Sensing
- Gas Sensing

Electro-Optical Characteristics & Specifications

T(ambient) @ +25°C

Parameter	Condition	Min	Typ	Max	Unit
Active area	dia		2		mm
Spectral Range	V_R 0V	800		2600	nm
Spectral Peak	V_R 0V		2500		nm
Responsivity	λ_p 1,55µm, Ev 1µW, M 10	0,97	1		A/W
Shunt resistance	10mV		8		kΩ
Response Time	f 1MHz, R_L 50Ω		1		ns
Dark Current	0V Bias		13		µA
	0,5V Bias		50	150	µA
Junction Capacitance	Vr 0V F 1M		1800	3000	pF
	Vr 0,5V F 1M		600	1000	pF
Operating Voltage		0		</=1	V

Absolute Maximum Ratings

T(ambient) @ +25°C

Parameter	Condition	Min	Typ	Max	Unit
Forward Current			10		mA
Reverse Current			10		mA
Reverse Breakdown Voltage	I_R 10µA			1	V
Operating Temperature		-40		+85	°C
Storage Temperature		-40		+85	°C

OEC GmbH
Vogelbergstraße 20
86441 Zusmarshausen
Tel +49-(0)8291-1886-0
Fax +49-(0)8291-1886-79
info@oec-gmbh.de
www.oec-gmbh.de

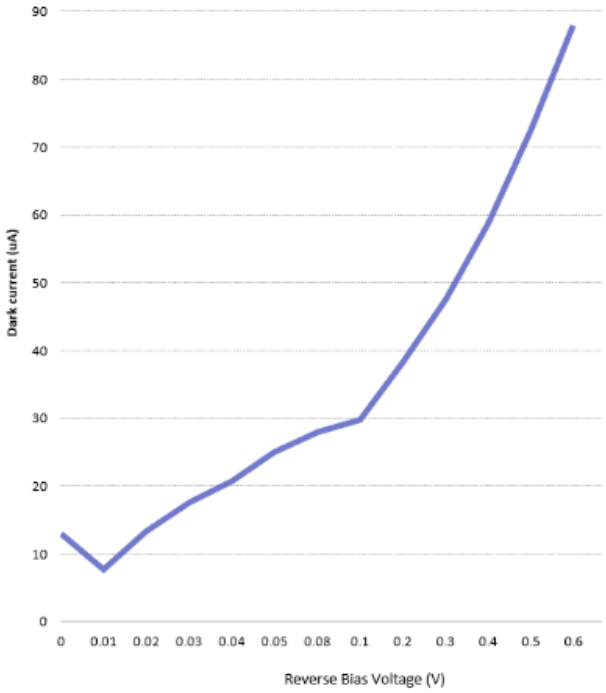
Large Area **2,6µm** **InGaAs Photodiode**

IGA2000-2.6T **2mm dia active area**

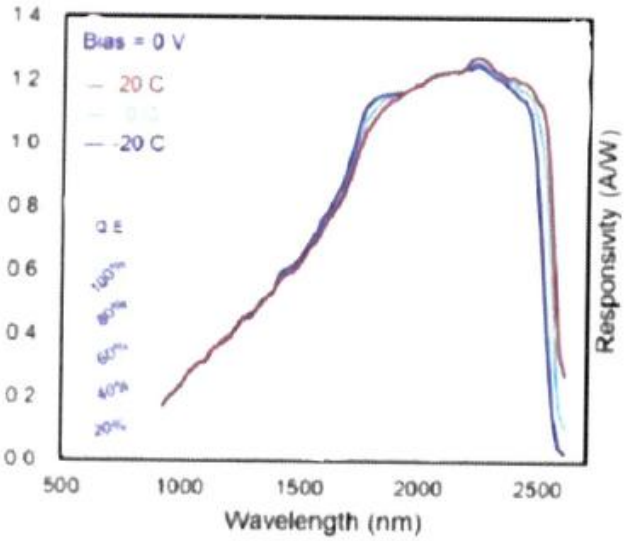
800nm – 2600nm

Stand 2026

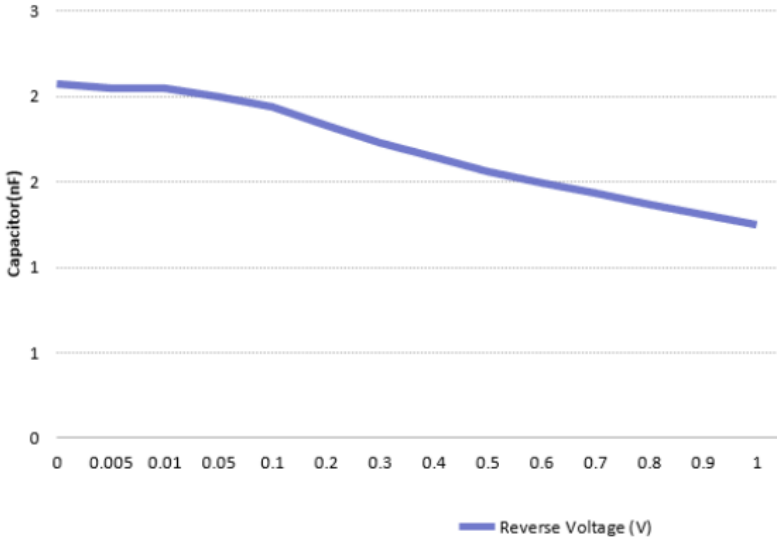
Dark Current vs Reverse Voltage



Spectral Response



Junction Capacitance vs Bias Voltage



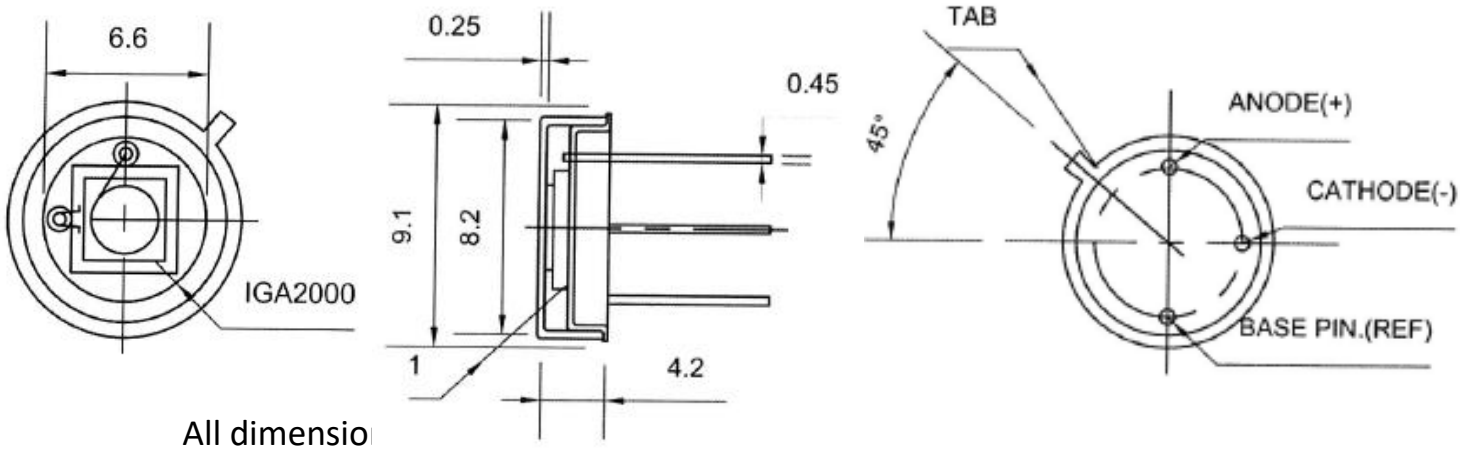
Large Area **2,6µm** **InGaAs Photodiode**

IGA2000-2.6T **2mm dia active area**

800nm – 2600nm

Stand 2026

Package



All dimensio

Options

i.e. Multi Mode Fibers TE-Cooler

The information in this data sheet is believed to be correct and reliable. However, no responsibility is assumed for possible inaccuracies or omissions. The specifications are subject to change without notice.

OEC GmbH
Vogelbergstraße 20
86441 Zusmarshausen
Tel +49-(0)8291-1886-0
Fax +49-(0)8291-1886-79
info@oec-gmbh.de
www.oec-gmbh.de