

EPITAXX ETX 300T

High Speed InGaAs Photodiodes



\$40.00

In Stock

Qty Available: 1

New From Surplus Stock

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EPITAXX**ETX 300T**

T.41-41

High Speed InGaAs PIN Photodiode**Description:**

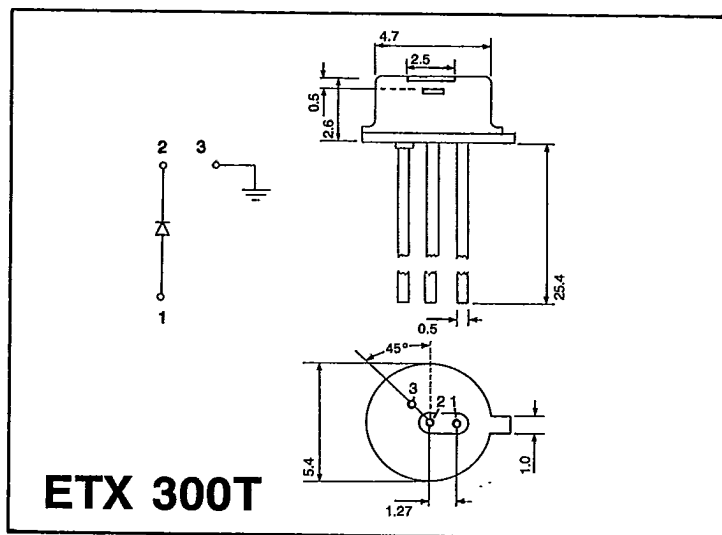
EPITAXX ETX 300T is a general purpose InGaAs planar pin photodiode. The device incorporates a $300\mu\text{m}$ chip in a flat window TO46 can. It is well suited for both optical communications and infrared sensing. The same chip can also be mounted on custom submounts for back facet power monitoring in fiber optics laser modules (ETX 300CER-CUS).

Features:

- $300\mu\text{m}$ active diameter
- hermetic TO46 can
- low dark current, low capacitance
- planar, passivated chip
- high reliability
- optional custom submounts

Maximum Ratings:

Parameter	Rating
Reverse Voltage	15V
Reverse Current	5mA
Forward Current	10mA
Operating Temperature	-40/+125C
Storage Temperature	-40/+125C

Dimensions:**Optical/Electrical Characteristics (@ 25C)**

Parameter	Conditions	Min	Typ	Max	Unit
Active Diameter			300		μm
Responsivity	$\lambda=1300\text{nm}$	0.65	0.80		A/W
Dark Current	$V_R=5\text{V}$		0.5	15	nA
Noise Current	$f=10\text{kHz}$		0.5		$\text{pA}/\sqrt{\text{Hz}}$
Total Capacitance	$V_R=5\text{V}$		5	10	pF
Bandwidth	$V_R=5\text{V}, 50\Omega, -3\text{dB}$		700		MHz
Rise/Fall time	$V_R=5\text{V}, R_L=50\Omega$		0.5		nS

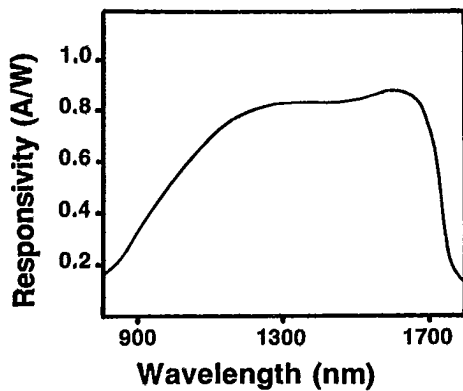
Corporate Headquarters

West Coast Sales Office

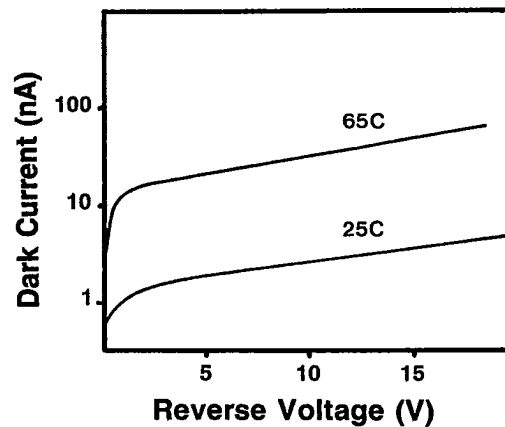
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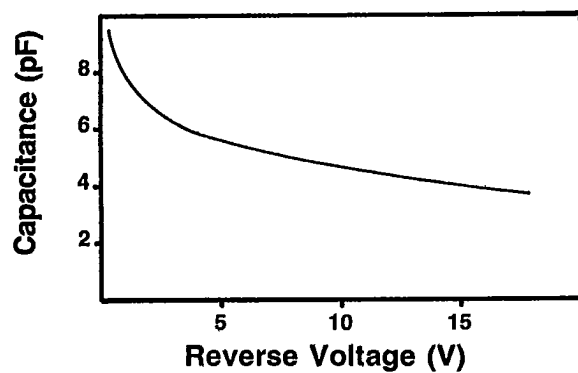
SPECTRAL RESPONSE



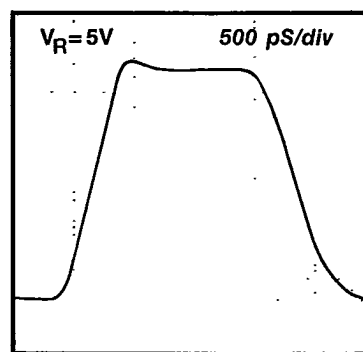
I-V CHARACTERISTIC



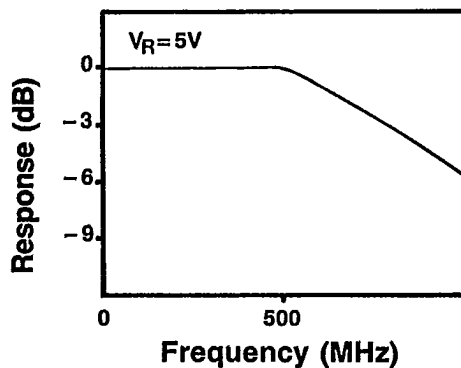
C-V CHARACTERISTIC



PULSE RESPONSE



BANDWIDTH

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