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TECHNOLOGY GROUP

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Full-service, independent repair center
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Custom engineering
so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

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Find the *VIAVI Solutions / JDSU / EPITAXX ETX 300T* at our website: *Click HERE*

EPITAXX

ETX 300T

T-41-41

High Speed InGaAs PIN Photodiode

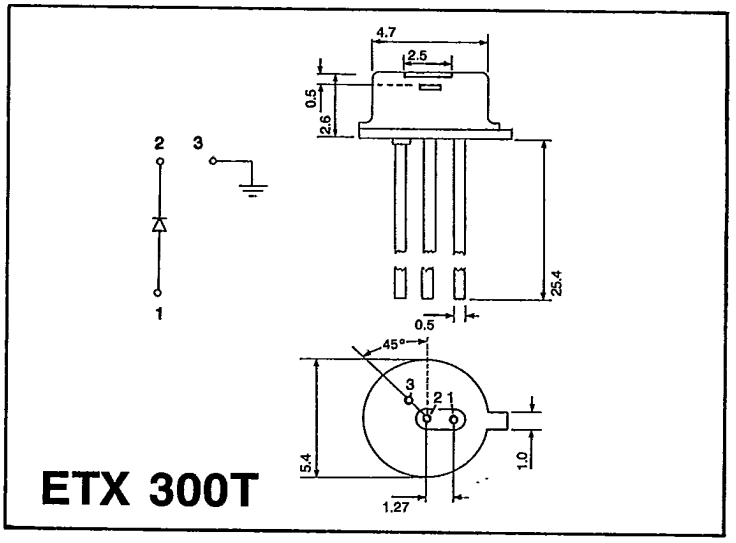
Description:

EPITAXX ETX 300T is a general purpose InGaAs planar pin photodiode. The device incorporates a 300μm 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 μm active diameter
- hermetic TO46 can
- low dark current, low capacitance
- planar, passivated chip
- high reliability
- optional custom submounts

Dimensions:



Maximum Ratings:

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

Optical/Electrical Characteristics (@ 25C)

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

Corporate Headquarters

3490 US Route 1 • Princeton, NJ 08540
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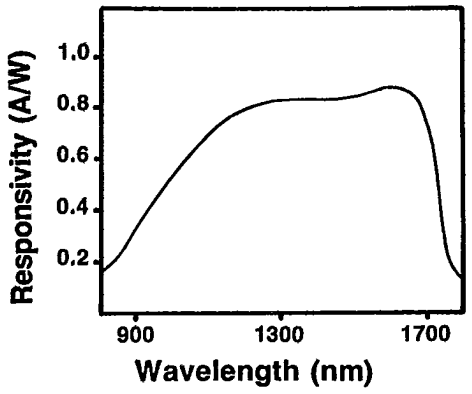
West Coast Sales Office

2121 Ave. of the Stars, 6 Fl • Los Angeles, CA 90067
(213) 551-6507 • FAX (213) 551-6577

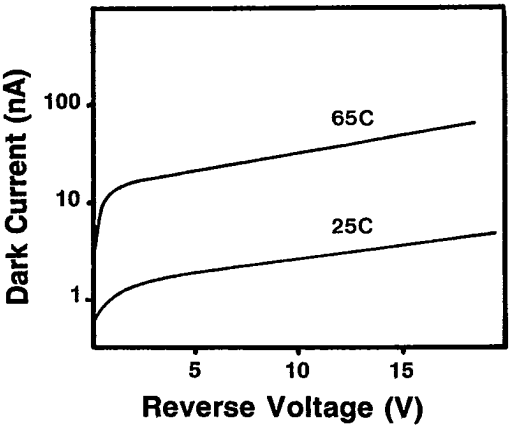
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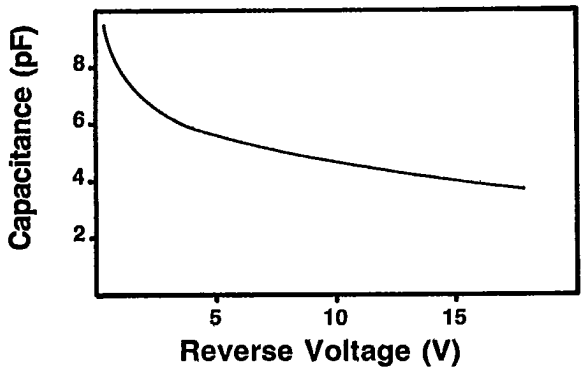
SPECTRAL RESPONSE



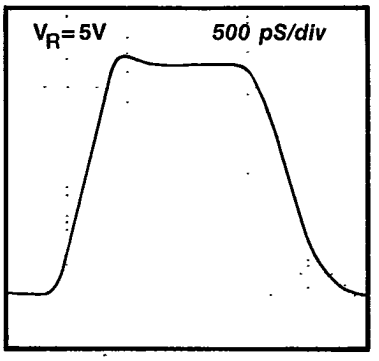
I-V CHARACTERISTIC



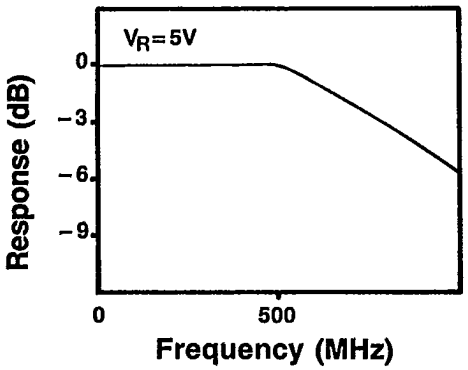
C-V CHARACTERISTIC



PULSE RESPONSE



BANDWIDTH



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