



2.5Gbps 1310nm PIN-TIA TO-CAN Series

Features:

- Data rates up to 2.5 Gbps.
- Single +3.3V Power Supply.
- GaAs PIN Detector and TIA inside.
- -40°C to 85°C Operation.
- High Sensitivity.

Applications:

- Digital Optical Communication.
- Optical LAN.

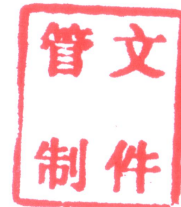
Specifications:

Absolute Maximum Ratings:

Parameter	Symbol	Min.	Max.	Unit
Optical Input Power	P_{in}	—	3	dBm
Operating Temperature	T_{op}	-40	+85	°C
Storage Temperature	T_{stg}	-40	+85	°C
Lead Solder Temperature	—	—	260	°C
Lead Solder Time	—	—	10	s

Characteristics: ($T_a=25^{\circ}\text{C}$ unless otherwise noted)

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	V_{cc}	—	3.0	3.3	3.6	V
Supply Current	I_{cc}	$V_{cc}=3.3\text{V}$	15	20	25	mA
Wavelength Range	λ	$V_{cc}=3.3\text{V}$	1260	1310	1620	nm
RSSI Offset Current	I_d	$V_{cc}=3.3\text{V}$	—	—	150	nA
Overload	OL	$V_{cc}=3.3\text{V}$	0	—	—	dBm
Sensitivity	Sen	2.5Gbps, PRBS23, 1310nm, ER=10dB, BER=10E-10	—	-26	-24	dBm

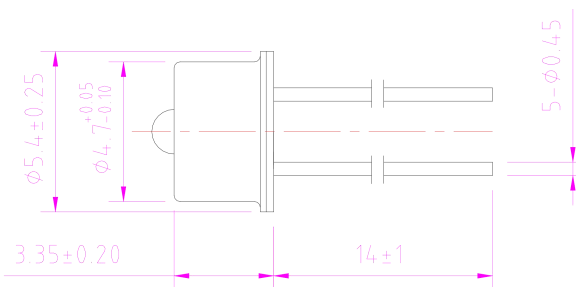
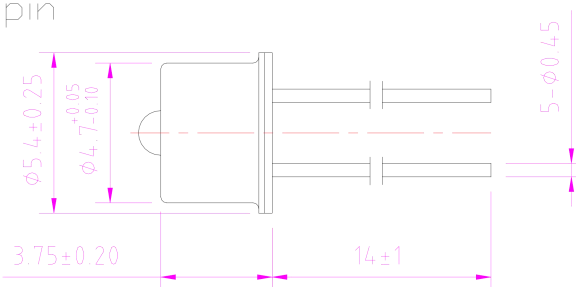


Key Materials

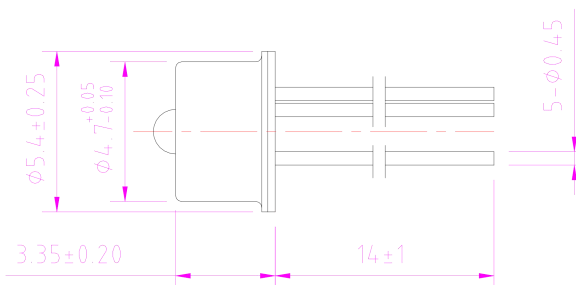
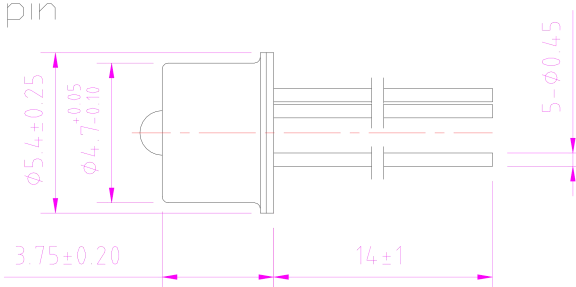
Materials	Part Number
PIN PD	0000020202
TIA	0000090029

Mechanical Dimension and Pin Assignment:

4pin

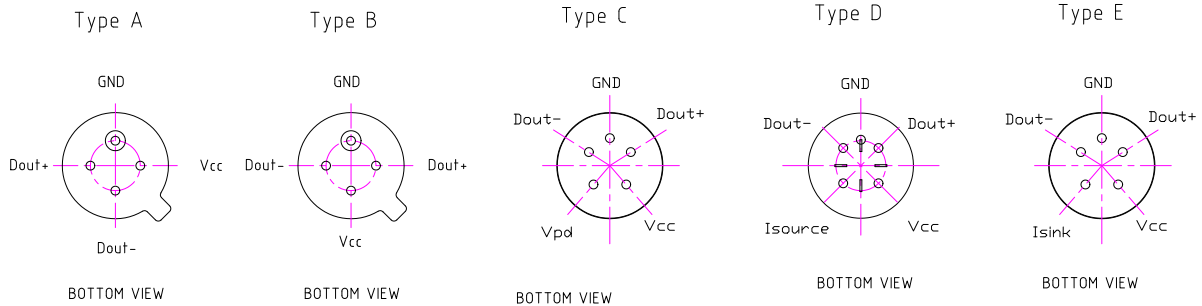


5pin



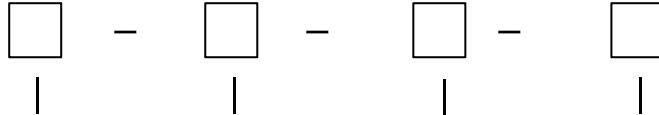


Pin Description:



Order Information:

PT2.5G 1310nm



<p><u>Header Type:</u> TO46</p>	<p><u>Cap Type:</u> BL(3.5): H3.5 Ball Lens BL(3.1): H3.1 Ball Lens</p>	<p><u>Numbers of Pin:</u> 4pin 5pin</p>	<p><u>Pin Type:</u> Type A Type B Type C Type D Type E</p>
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Statement:

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