



## 1.25Gbps 1310nm PIN-TIA TO-CAN Series

### Features:

- Bit Rate: 1.25Gbps.
- Single +3.3V Power Supply.
- -40°C to 85°C Operation.
- InGaAs PIN Detector and TIA inside.

### 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	$I_{cc}$	$V_{cc}=3.3\text{V}$	23	25	26	mA
Wavelength Range	$\lambda$	$V_{cc}=3.3\text{V}$	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	1.25Gbps, PRBS7, 1310nm, ER=10dB, BER=10E-10	—	-28	-26	dBm

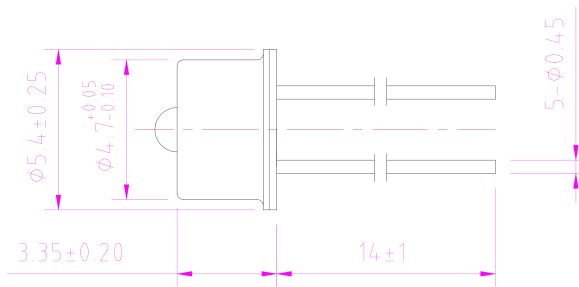
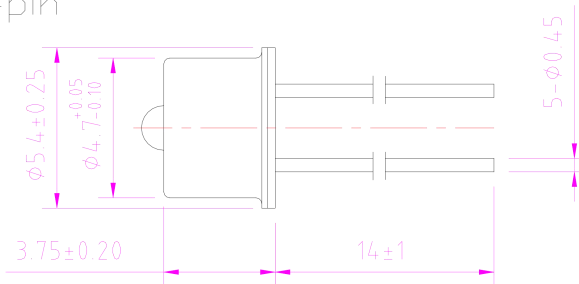


## Key Materials

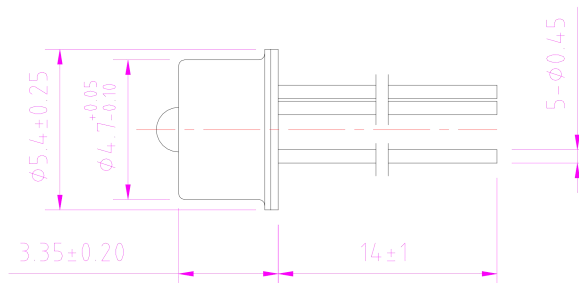
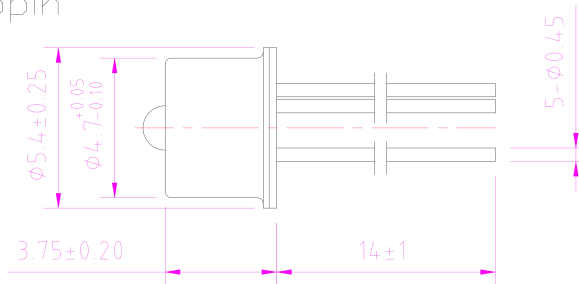
Materials	Part Number
PIN PD	0000020202
TIA	0000090011

## Mechanical Dimension and Pin Assignment:

4pin

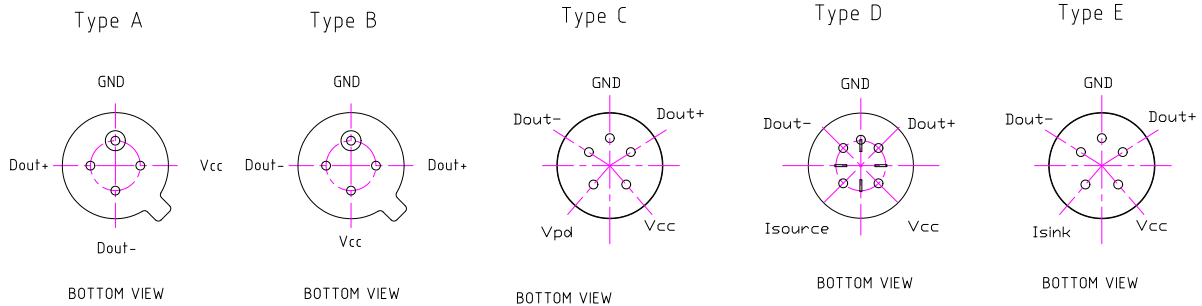


5pin



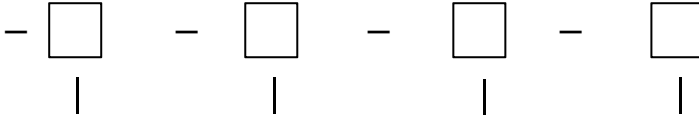


### Pin Description:



### Order Information:

PT1.25G 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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