



## 10Gbps 850nm PIN-TIA TO-CAN Series

### Features:

- Data rates up to 10 Gbps.
- 850nm multimode.
- 40°C to 85°C Operation.
- Received signal strength indicator(RSSI).
- High reliability.

### Applications:

- High speed Data Communication.
- 10Gigabit Ethernet.

### 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	+100	°C
Lead Solder Temperature	—	—	260	°C
Lead Solder Time	—	—	10	s

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

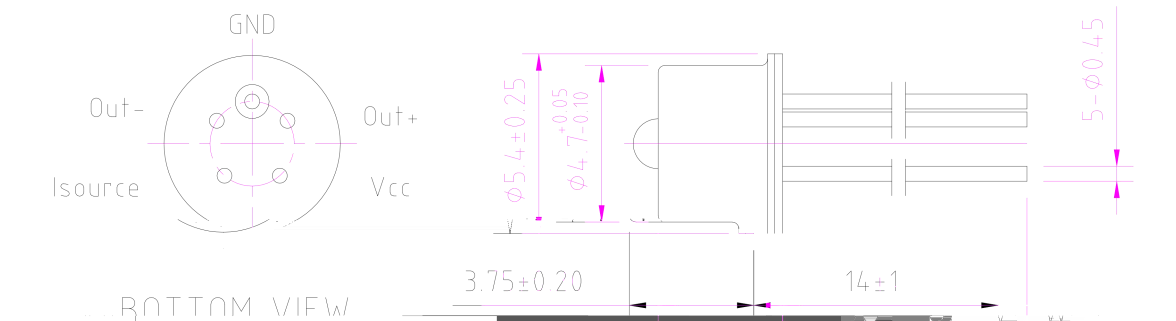
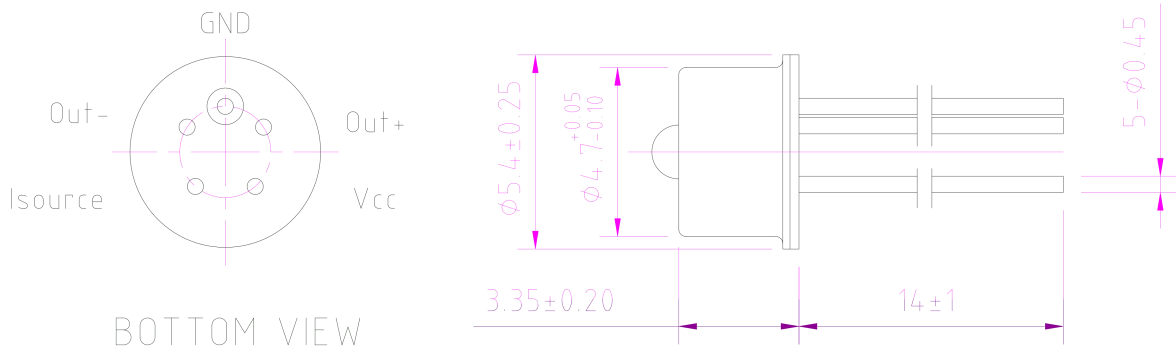
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	$V_{cc}$	—	3.0	3.3	3.6	V
Supply Current	$I_{cc}$	$V_{cc}=3.3\text{V}$	—	—	40	mA
Wavelength Range	$\lambda$	$V_{cc}=3.3\text{V}$	830	850	870	nm
RSSI Offset Current	$I_d$	$V_{cc}=3.3\text{V}$	—	—	150	nA
Overload	OL	$V_{cc}=3.3\text{V}$	0	—	—	dBm
Sensitivity	Sen	10.3125Gbps, PRBS31, 850nm,ER=4.5dB, BER=1*E-12	—	-14	-13	dBm



## Key Materials

Materials	Part Number
PIN PD	WSPD10-03/TK0910S8C
TIA	NT28L52

## Mechanical Dimension and Pin Assignment:





## Order Information:

PT10G 850 -  -  -  -

<u>Header Type:</u> TO46	<u>Cap Type:</u> BL3.1: H3.1 Ball Lens BL3.5: H3.5 Ball Lens	<u>Numbers of Pin:</u> 5pin	<u>Pin Assignment:</u> D: Type D
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### Statement:

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