10Gbps 850nm PIN-TIA TO-CAN Series

Features：

- Data rates up to 10 Gbps.
- 850nm multimode.
- -40℃ to 85℃ 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	Top	-40	+85	℃
Storage Temperature	Tstg	-40	+100	℃
Lead Solder Temperature	—	—	260	℃
Lead Solder Time	—	—	10	s

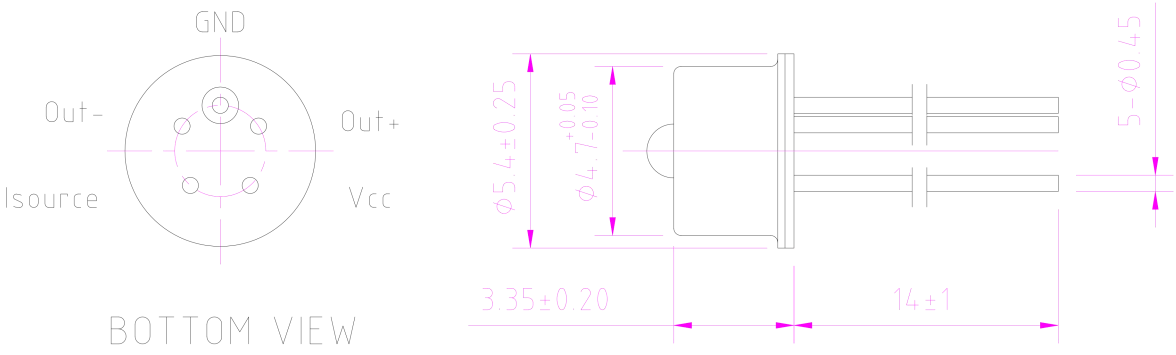
Characteristics：（Ta=25℃ unless otherwise noted）

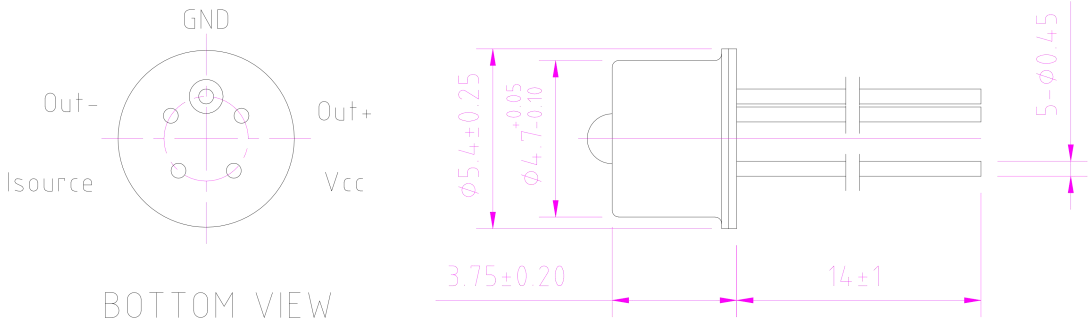
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	Vcc	—	3.0	3.3	3.6	V
Supply Current	Icc	Vcc=3.3V	—	—	40	mA
Wavelength Range	λ	Vcc=3.3V	830	850	870	nm
RSSI Offset Current	I_d	Vcc=3.3V	—	—	150	nA
Overload	OL	Vcc=3.3V	0	—	—	dBm
Sensitivity	Sen	10.3125Gbps, PRBS31, 850nm,ER=4.5dB, BER=1*E-12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

Key Materials

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

Mechanical Dimension and Pin Assignment:





Order Information:

PT10G 850 – □ – □ – □ – □

Header Type：	Cap Type：	Numbers of Pin：	Pin Assignment：
TO46	BL3.1：H3.1 Ball Lens BL3.5：H3.5 Ball Lens	5pin	D： Type D

Statement：

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