

10Gbps 850nm PIN-TIA TO-CAN Series

Features:

- Data rates up to 10 Gbps.
- 850nm multimode.
- Single +3.3V Power Supply.
- -40°C to 85°C Operation.
- Received signal strength indicator(RSSI).
- GaAs PIN Detector and TIA inside.

Applications:

- High speed Data Communication.
- 10Gigabit Ethernet.

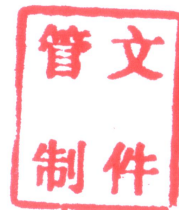
Specifications:

Absolute Maximum Ratings:

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

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

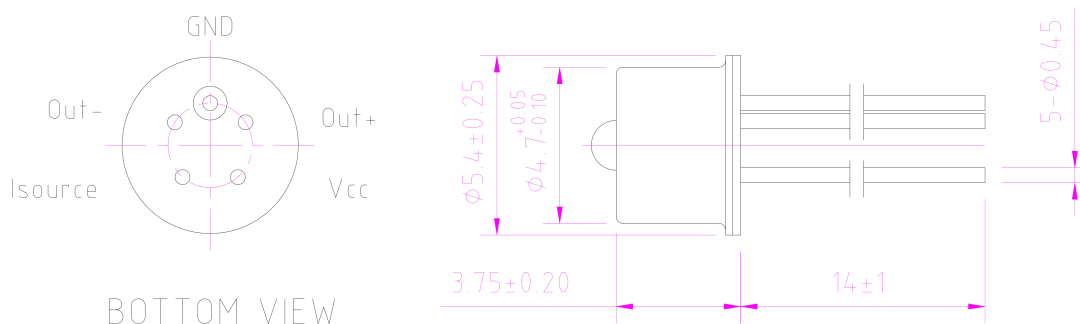
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	Vcc	—	3.0	3.3	3.6	V
Supply Current	Icc	Vcc=3.3V	—	34	45	mA
Wavelength Range	λ	Vcc=3.3V	830	850	870	nm
TIA RSSI Dark Current	Id	Vcc=3.3V	—	—	450	nA
Overload	OL	Vcc=3.3V	0	—	—	dBm
Sensitivity	Sen	10.3125Gbps, PRBS31, 850nm,ER=4.5dB, BER=1*E-12	—	—	-13	dBm



Key Materials:

Materials	Part Number
PIN PD	0001020204
TIA	0000090092

Mechanical Dimension and Pin Assignment:



Order Information:

PT10G 850 - - - -

<u>Header Type:</u> TO46	<u>Cap Type:</u> 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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Contact Information:

Address: N501-505 Weiye Bldg., Xiamen Pioneering Park For Overseas Chinese Scholars, Xiamen, Fujian, China

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厦门三优光电股份有限公司

XIAMEN SAN-U OPTRONICS CO., LTD.



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Tel: +86-592-3898601, 3898608, 5318000

Fax: +86-592-5703588

Email: sales@san-u.com

<http://www.san-u.com>