



10Gbps 1310nm PIN-TIA TO-CAN Series

Features:

- Suitable for long wavelength 10Gbps applications.
- Single +3.3V Power Supply.
- Photo current monitoring available.
- InGaAs PIN Detector and TIA inside.
- -40°C to 85°C Operation.
- Received signal strength indicator(RSSI).
- High reliability.

Applications:

- SDH/SONET Transceivers up to 10Gbps.

Specifications:

Absolute Maximum Ratings:

Parameter	Symbol	Min.	Max.	Unit
PD Forward Voltage	$V_{f(PD)}$	—	1.6	mA
Optical Input Power	P_{in}	—	3	dBm
Operating Temperature	Top	-40	+85	°C
Storage Temperature	Tstg	-40	+100	°C
Lead Solder Temperature	—	—	260	°C
Lead Solder Time	—	—	10	s

Characteristics: (Ta=25°C unless otherwise noted)

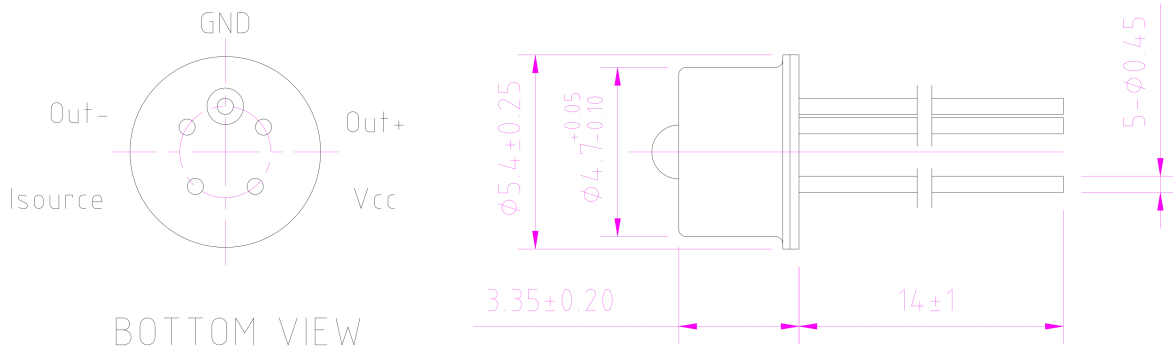
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	Vcc	—	3.0	3.3	3.6	V
Supply Current	Icc	Vcc=3.3V	—	30	35	mA
Wavelength Range	λ	Vcc=3.3V	1100	—	1600	nm
RSSI Offset Current	Id	Vcc=3.3V	—	—	150	nA
Overload	OL	Vcc=3.3V	0	—	—	dBm
Sensitivity	Sen	10.3125Gbps,PRBS 31, 1310nm,ER=6dB, BER=10E-12	—	-18	-17	dBm



Key Materials

Materials	Part Number
PIN PD	0001020253
TIA	0000090137

Mechanical Dimension and Pin Assignment:



Order Information:

PT10G 1310	—	<input type="checkbox"/>	—	<input type="checkbox"/>	—	<input type="checkbox"/>	—	<input type="checkbox"/>
<u>Header Type:</u> TO46		<u>Cap Type:</u> BL: Ball Lens		<u>Numbers of Pin:</u> 5pin		<u>Pin Assignment:</u> D: Type D		

Statement:

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