

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:

- High speed Data Communication.

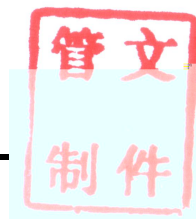
Specifications:

Absolute Maximum Ratings:

Parameter	Symbol	Min.	Max.	Unit
Optical Input Power	P_{in}	—	2	dBm
Operating Temperature	Top	-40	+85	°C
Storage Temperature	Tstg	-40	+85	°C
Lead Solder Temperature	—	—	260	°C
Lead Solder Time	—	—	10	s

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

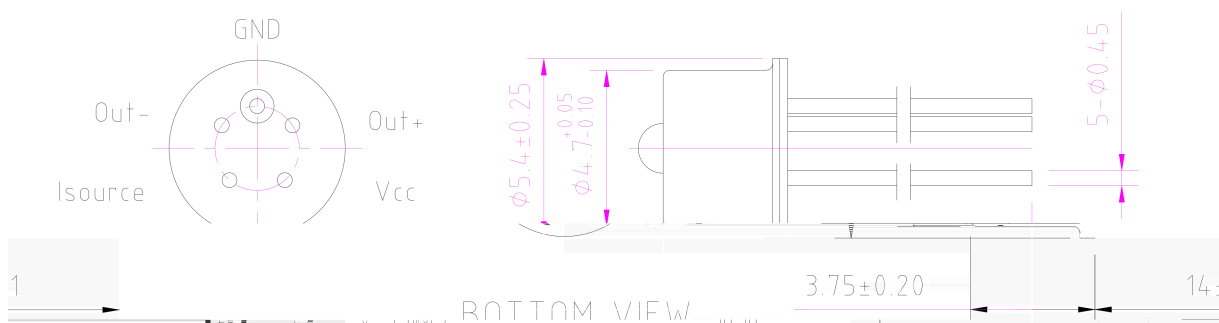
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	Vcc	—	3.0	3.3	3.6	V
Supply Current	Icc	Vcc=3.3V	—	—	35	mA
Wavelength Range	λ	Vcc=3.3V	1260	—	1600	nm
RSSI Offset Current	Id	Vcc=3.3V	—	—	150	nA
Overload	OL	Vcc=3.3V	0	—	—	dBm
Sensitivity	Sen	10.3125Gbps, PRBS31, 1310nm,ER=6dB, BER=10E-12	—	—	-17.5	dBm



Key Materials

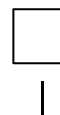
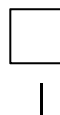
Materials	Part Number
PIN PD	0001020206
TIA	0000090072

Mechanical Dimension and Pin Assignment:



Order Information:

PT10G 1310



Header Type:
TO46

Cap Type:
BL: Ball Lens

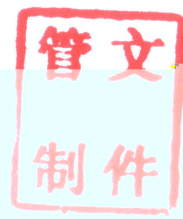
Numbers of Pin:
5pin

Pin Assignment:
D: Type D

Statement:

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