



:

- 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.

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- High speed Data Communication.

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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

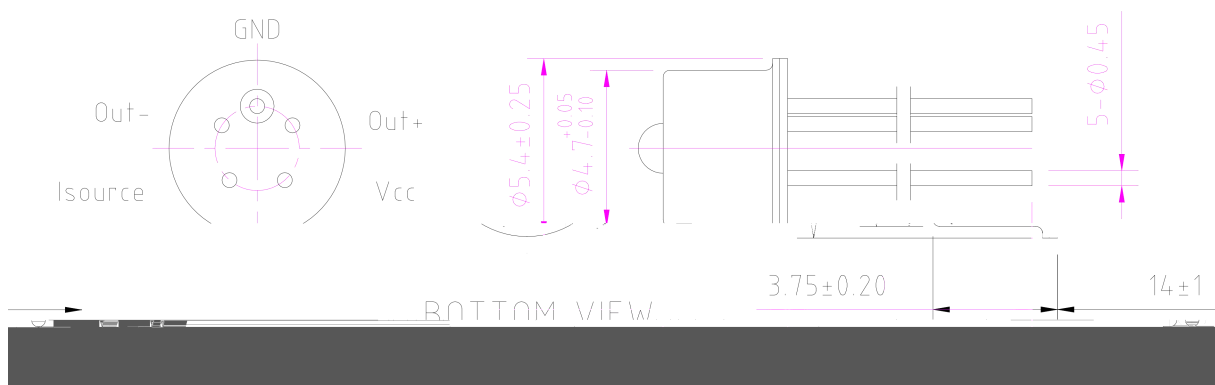
Characteristics: (Ta=25°C unless otherwise noted)

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

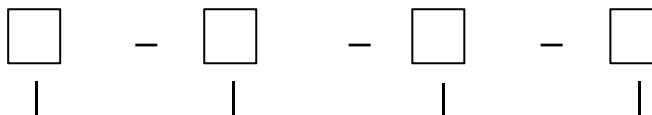


Key Materials

Materials	Part Number
PIN PD	0001020206
TIA	0000090072



PT10G 1310



<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
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Statement:

SAN-U owns the authority for final explanation of all information contained in this document, which is subject to change without notice. All the information was obtained in particular environments; and SAN-U will not be responsible for the performance of the customers' actual operating environments. All information contained is only for the users' reference and shall not be considered as warranted characteristics. SAN-U will not be liable for damages arising directly or indirectly which from any use of the information contained in this document.

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