



- Data rates up to 25 Gbps.
  - Single +3.3V Power Supply.
  - -40°C to 85°C Operation.
  - Differential Output.
  - Received signal strength indicator(RSSI).
  - InGaAs PIN Detector and TIA inside.
  - With 1KΩ resistance
- 
- High speed Telecom and Datacom.

Parameter	Symbol	Min	Max.	Unit
Optical Input Power	$P_{in}$	—	5	dBm
Operating Temperature	$T_{op}$	-40	85	°C
Storage Temperature	$T_{stg}$	-40	85	°C
Lead Solder Temperature	—	—	260	°C
Lead Soldering Time	—	—	10	s

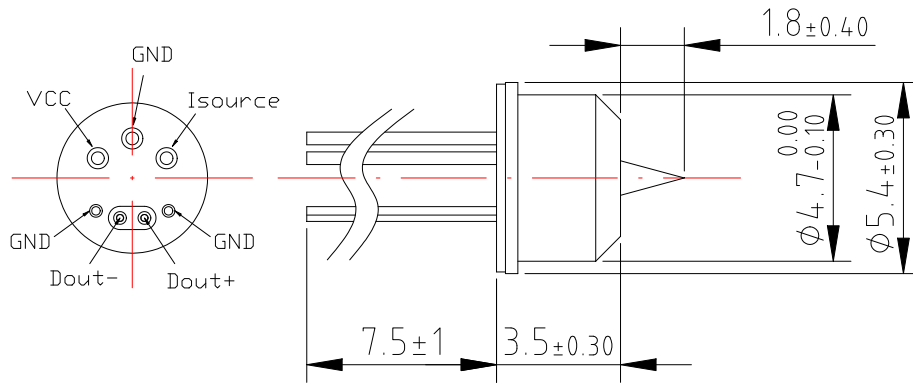
**Specifications (T=25°C, unless otherwise noted)**

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	$V_{cc}$	—	2.97	3.3	3.63	V
Supply Current	$I_{cc}$	$V_{cc}=3.3V$	—	26	33	mA
Operating Wavelength	$\lambda_c$	$V_{cc}=3.3V$	1260	—	1600	nm
RSSI Offset Current	$I_d$	$V_{cc}=3.3V$	—	—	100	nA
Bandwidth	BW	-3dB	—	21	—	GHz
Overload	OL	$V_{cc}=3.3V$	2.2	—	—	dBm
Sensitivity	Sen	25.78Gbps,PRBS31, 1310nm,ER=4dB, BER=10E-5	—	—	-14	dBm
Responsivity	Res	1310nm	0.7	—	—	A/W
Optical Return Loss	ORL	1310nm	—	—	-27	dB

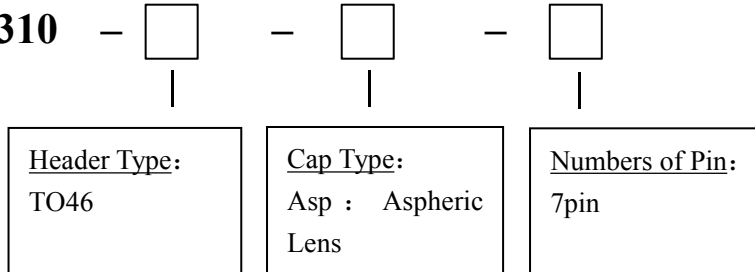


### Key Materials:

Materials	Part Number
PIN PD	0001020226
TIA	0000090126



### PT25G 1310



### Statement:

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