



## 25Gbps 850nm PIN-TIA TO-CAN Series

### Features:

- Data rates up to 25 Gbps.
- 850nm multimode.
- Single +3.3V Power Supply.
- -40°C to 85°C Operation.
- Received signal strength indicator(RSSI).

### Applications:

- High speed Data Communication.

### Specifications:

#### Absolute Maximum Ratings:

Parameter	Symbol	Min.	Max.	Unit
Optical Input Power	$P_{in}$	—	5	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)

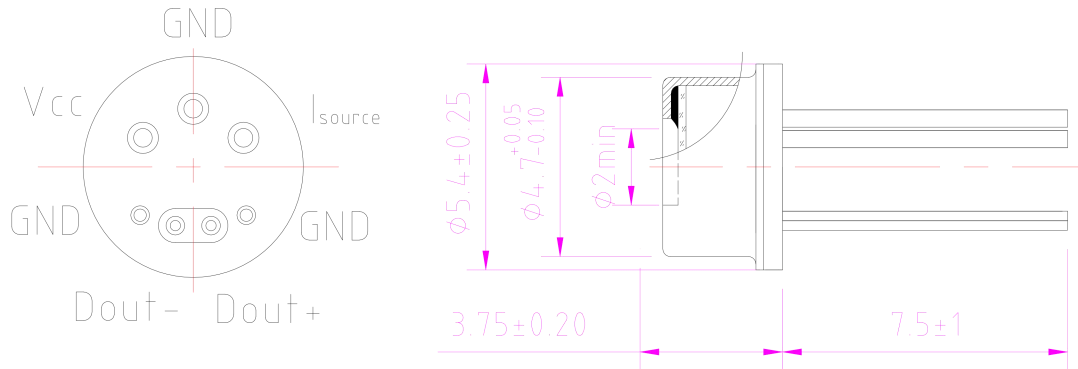
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	Vcc	—	2.97	3.3	3.63	V
Supply Current	Icc	Vcc=3.3V	—	26	33	mA
Wavelength Range	$\lambda$	Vcc=3.3V	820	850	860	nm
RSSI Dark Current	Id	Vcc=3.3V	—	—	100	nA
Bandwidth	BW	-3dB	--	21	—	GHz
Overload	OL	Vcc=3.3V	-3	—	—	dBm
Sensitivity	Sen	25.78Gbps, PRBS31 850nm, ER=4dB, BER=10E-12	—	—	-9	dBm

### Key Materials:



Materials	Part Number
PIN PD	0001020227
TIA	0000090126

### Mechanical Dimension and Pin Assignment:



### Order Information:

PT25G 850



Header Type:  
TO46

Cap Type:  
FW: Flat Window

Numbers of Pin:  
7pin

### Statement:

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