



## 10Gbps 850nm PIN-TIA TO-CAN Series

### Features:

- Data rates up to 10 Gbps.
- 850nm multimode.
- Single +3.3V Power Supply.
- -40°C to 85°C Operation.
- Received signal strength indicator(RSSI).
- High reliability.

### Applications:

- High speed Data Communication.
- 10Gigabit Ethernet.

### Specifications:

#### Absolute Maximum Ratings:

Parameter	Symbol	Min.	Max.	Unit
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: ( $T_a=25^{\circ}\text{C}$ unless otherwise noted)

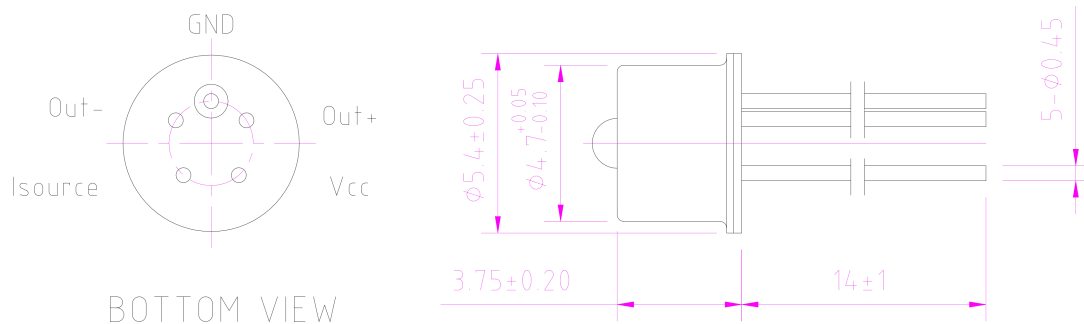
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	Vcc	—	3.0	3.3	3.6	V
Supply Current	Icc	Vcc=3.3V	—	34	45	mA
Wavelength Range	$\lambda$	Vcc=3.3V	830	850	870	nm
RSSI Offset Current	I <sub>d</sub>	Vcc=3.3V	—	—	450	nA
Overload	OL	Vcc=3.3V	0	—	—	dBm
Sensitivity	Sen	10.3125Gbps, PRBS31, 850nm,ER=4.5dB, BER=1*E-12	—	—	-13	dBm



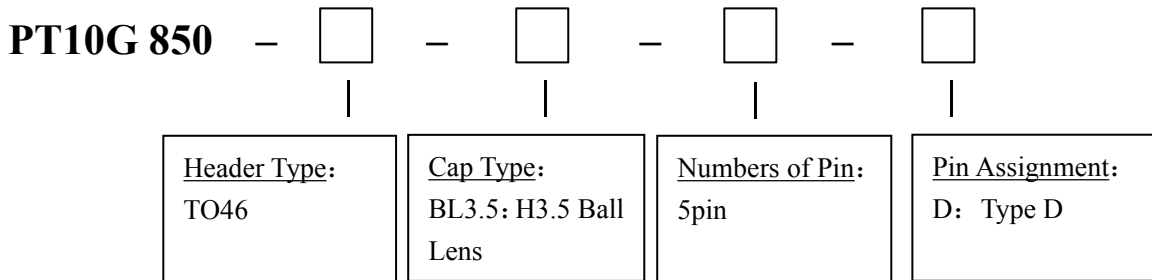
### Key Materials:

Materials	Part Number
PIN PD	0001020255
TIA	0000090092

### Mechanical Dimension and Pin Assignment:



### Order Information:



### Statement:

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