



2.5Gbps 850nm PIN-TIA TO-CAN Series

Features:

- Data rates up to 2.5 Gbps.
- 850nm multimode.
- -40°C to 85°C Operation.
- High Sensitivity.

Applications:

- Digital Optical Communication.

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	+85	°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	15	20	25	mA
Wavelength Range	λ	Vcc=3.3V	830	850	870	nm
RSSI Offset Current	I_d	Vcc=3.3V	—	—	150	nA
Overload	OL	Vcc=3.3V	—	—	0	dBm
Sensitivity	Sen	2.5Gbps, PRBS23, 850nm, ER=10dB, BER=10E-10	—	-25	-22	dBm

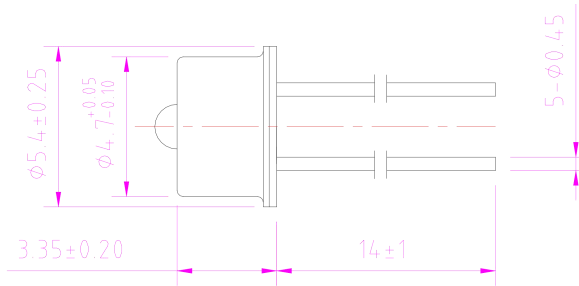
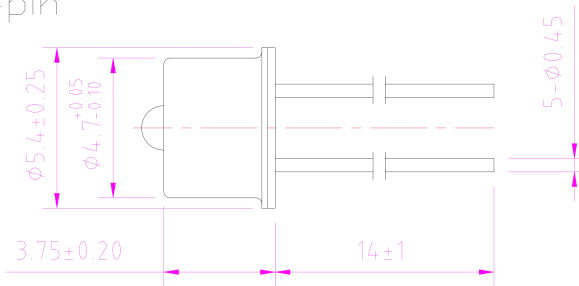


Key Materials

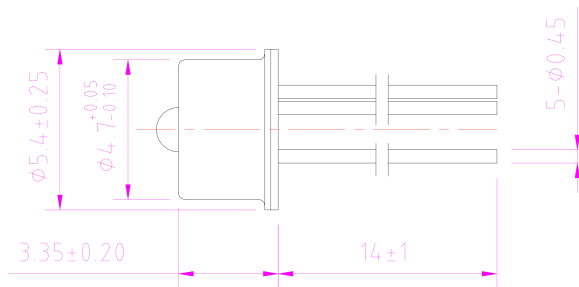
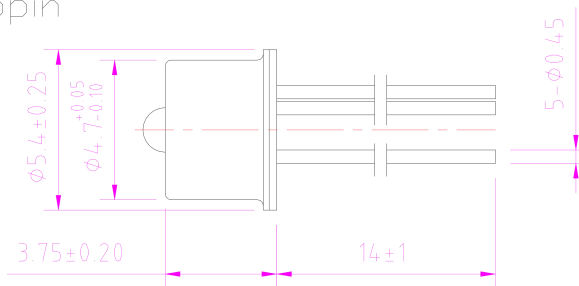
Materials	Part Number
PIN PD	0001020221
TIA	0000090027

Mechanical Dimension and Pin Assignment:

4pin

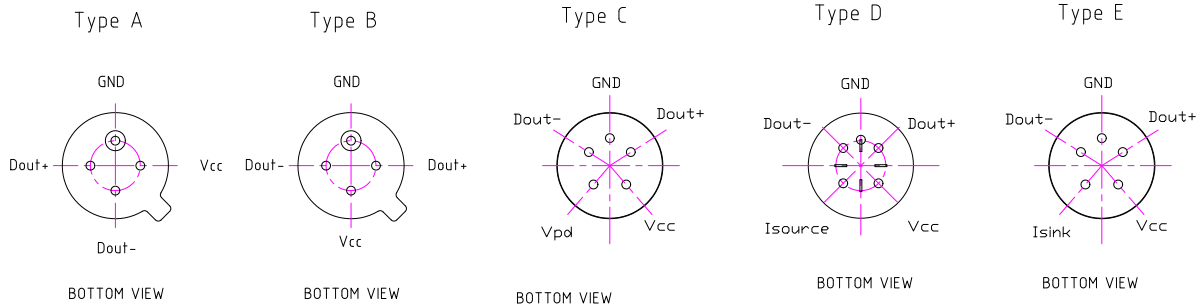


5pin





Pin Description:



Order Information:

PT2.5G 850nm - - - -

<u>Header Type:</u> TO46	<u>Cap Type:</u> BL(3.5): H3.5 Ball Lens BL(3.1): H3.1 Ball Lens	<u>Numbers of Pin:</u> 4pin 5pin	<u>Pin Type:</u> Type A Type B Type C Type D Type E
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Statement:

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