



## 25G APD-TIA TO-CAN

### Features:

- $\phi 20\mu\text{m}$  Active Diameter
- Low Dark Current
- Excellent Stability

### Applications:

- 25GbE

### Specifications:

#### Absolute Maximum Ratings:

Parameter	Symbol	Min.	Max.	Unit
Reverse Voltage	VR		V <sub>BR</sub>	V
Supply Voltage	V <sub>cc</sub>	-0.4	4	V
Operating Temperature	Top	-40	+85	°C
Storage Temperature	Tstg	-40	+100	°C
Lead Solder Temperature/Time			260/10	°C/S

#### Characteristics: (V<sub>R</sub>=5V, T<sub>a</sub>=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Active Diameter	D	--	20	--	$\mu\text{m}$
Bandwidth -3db	BW	--	20	--	GHz
Supply Voltage	V <sub>cc</sub>	2.97	3.3	3.63	V
Supply Current	I <sub>cc</sub>	--	25	31	mA
Dark Current (@operating voltage)	I <sub>d</sub>	--	--	1100	nA
Breakdown Voltage TIA ON	V <sub>BR</sub>	23	26	32	V
Operating Voltage	V <sub>op</sub>	--	0.9*V <sub>br</sub>	--	V
APDChip Capacitance	C	--	40	--	fF
Different Output Resistance	R <sub>out</sub>	--	100	--	$\Omega$
Responsivity@1310nm, V <sub>BR</sub> *0.5, M=2 Pin=-20dbm	Res	0.7	0.8	--	A/W

### Key Materials:

Materials	Part Number
APD chip	0000020342
TIA	0000090158

不允许打印



厦门三优光电股份有限公司

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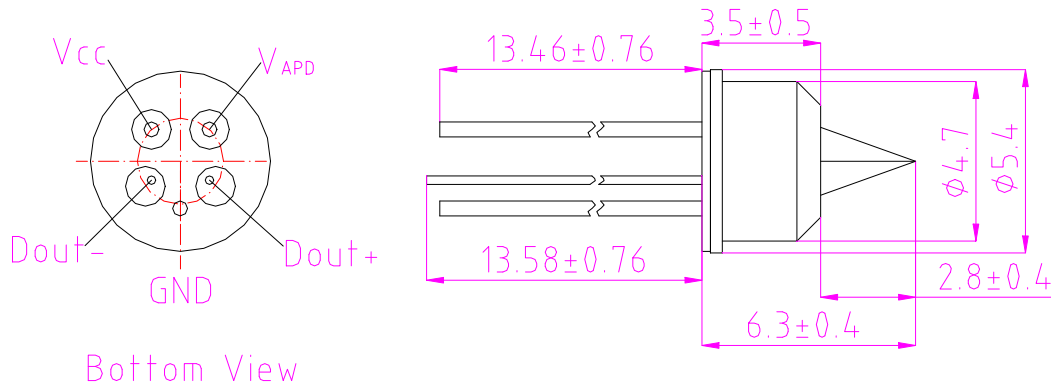
文件编号: SU-01-19-A-07-A89I

版本: 01

实施日期: 2018.11.13

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### Outline Diagram and Pin Assignment:



### Order Information:

APT25G - □ - □ - □

<u>Header Type:</u> TO46	<u>Cap Type:</u> Asp: Aspheric Lens	<u>Numbers of Pin:</u> 5pin
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### Statement:

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