

## YPC3418-X-44

## 155M InGaAs PIN-TIA

### Features:

- ◆ Pre-amplify
- ◆ Differential Output
- ◆ +3.3V and +5V Operating Voltage
- ◆ Good Temperature Feature
- ◆ TO46 Package

### Application:

- Optical Communication System
- Test Instruments



### Specification:

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Sensitivity	Sens	BER=10 <sup>10</sup> @155M	-	-38	-36	dBm
Saturation Power	P	$\lambda$ =1310nm	-	-3	-	dBm
Operating Wavelength	$\lambda$	-	1100	-	1650	nm
Bandwidth	BW	-	120	150	-	MHz
Gain	G	$\lambda$ =1310nm	0.17	-	220	V/mW
Power Supply	Vcc	-	3.0	-	5.5	V
Differential Output Voltage	Vd	-	-	1	-	V
Output Resistance	Rout	-		50	65	ohm

### Absolute Maximum Ratings:

Parameter	Symbol	Value	Unit
Power Supply	Vcc	6	V
Operating Temperature	T <sub>OP</sub>	-40 ~ +85	°C
Storage Temperature	T <sub>ST</sub>	-40 ~ +100	°C
Lead Soldering Temperature/Duration	-	260/10	°C/S

Product Name: YPC3418-A-44

ADD: A-2F,No.5,Huashi Science Park,East Lake High-Tech Development Zone,Wuhan,Hubei,China

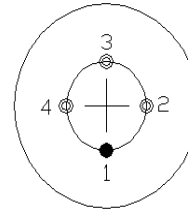
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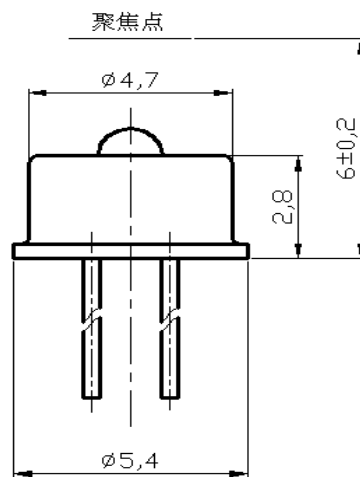
### PIN Assignment:

A Type

1 . GND	2 . Dout(+)
3 . Dout(-)	4 . Vcc



### Outline Size:



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