

YPC8528-C
1.25G 850nm PIN TIA TO
Features:

- ◆ GaAs PIN+TIA
- ◆ Differential output
- ◆ Low voltage power supply: 3.3V
- ◆ Industry TO-46 package of lens Cap

Application:

- Optical communication system
- Instruments and Apparatuses

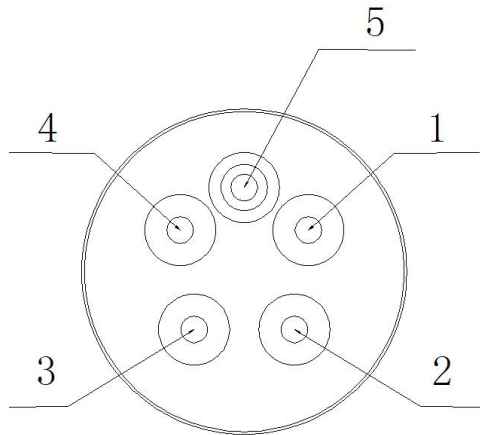
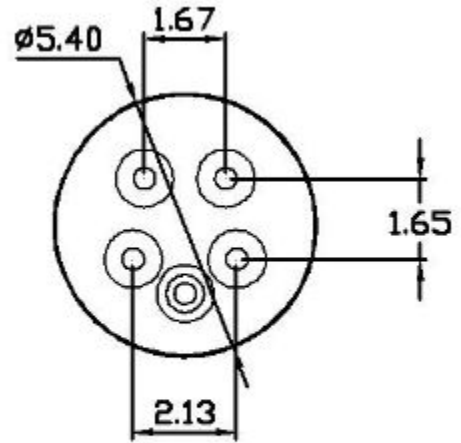
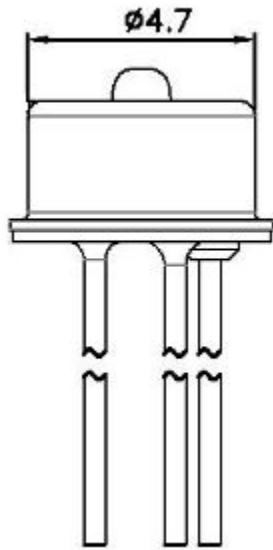
Specification:

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Operating Wavelength	λ	-	770	-	860	nm
Saturation Power	P	BER=10 ⁻¹⁰ , PRBS7@1.25G Ratio=10dB	0	-	-	dBm
Sensitivity	Sens		-	-	-22	dBm
Bandwidth	BW	Bandwidth to -3dB point @ -30 dBm	730	1000	-	MHz
Responsivity	R	$\lambda=850\text{nm}$	-	0.4	-	A/W
Supply Voltage	Vcc	-	3.0	-	3.6	V
Supply Current	Icc	-	23	28	35	mA
Rise and fall time	Rout	-			0.1	ns

Absolute Maximum Ratings:

Parameter	Symbol	Rating	Unit
Supply Voltage	Vcc	3.6	V
Operating Temperature	T _{OP}	-40 ~ +85	°C
Storage Temperature	T _{ST}	-40 ~ +85	°C
Lead solder temperature	-	260/10	°C/S
ESD (HBM)	-	1A 级, <500	V

Dimensions:



1	OUT+
2	VCC
3	RSSI
4	OUT -
5	GND