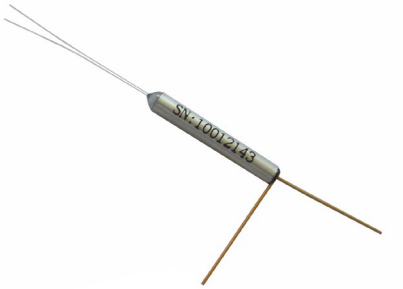
TAP PD is internally packaged with high performance InGaAs/InP PIN photodiode.Based on its special optical design, the product has the advantages of high responsiveness, low dark current and high reliability.Due to its compact structure and small volume, it is easy to be integrated in high-density optical fiber communication systems.

Features

- Compact structure
- High degree of response
- Low dark current



Application

- Power monitoring
- Fiber amplifier
- WDM transmission system

Performance indicators

parameter	symbol	unit	The parameter value			Matters needing attention
工作波长 Operating wavelength	λ	nm	1260		1620	
分光比 TAP Ratio		%	1	2	5	There are other proportions
响应度 Responsivty	R	mA/W	8~12	16~24	40~60	Corresponding responsivity
结电容 Junction capacitance		pF	0.4		0.6	
反射损耗 Reflection loss	RIL	dB	0.3	0.35	0.5	Corresponding loss
温度特性 TDL	T	dB/℃			0.1	
偏振相关损耗 PDL		dB			0.1	
暗电流 Dark Current	Id	nA			1	
回损 Return Loss	RL	dB	-40	-	-50	

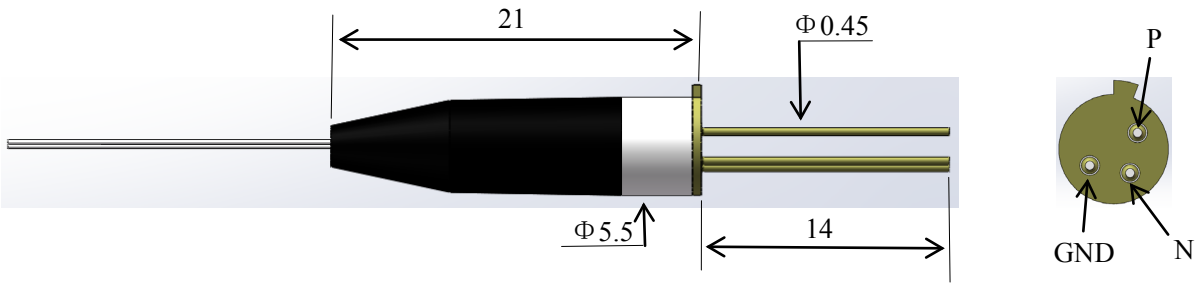
Storage and working conditions

Absolute Maximum Ratings (Tc=25℃, unless otherwise noted)

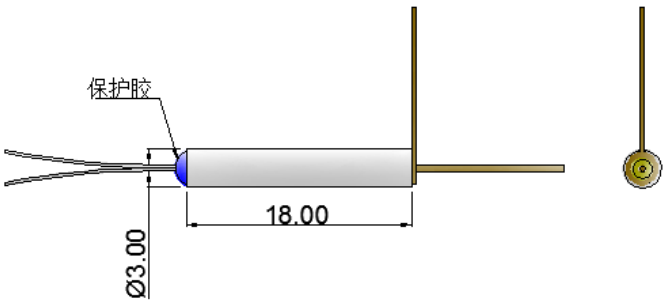
参数 Parameter	符号 Symbol	最小值 Min.	最大值 Max.	单位 Unit
存储温度 Storage Temperature	Tstg	-40	85	℃
工作温度 Operating Temperature	Topr	0	70	℃
焊接温度/时间 Welding temperature/time	---	---	260/10	℃/Sec

Size (mm)

P1:Regular size



P2:MINI size



Order information: HC - TapPD-A-B-C-D-E-F

A	B	C	D	E	F
Package size	**ratio**	**Working wavelength**	**Optical fiber type**	**Fiber length**	**Connect the head**
N:Φ5.5×21	1:99:1	1310: 1310nm	025 : Ø0.25mm	05: 0.5m	00: None
M:Φ3.0×18	2:98:2	1550: 1550nm	90：Ø0.9mm	10: 1.0m	FP: FC/UPC
X：other	3:97:3	X：other	X：other	15: 1.5m	FA: FC/APC
	5:95:5			X: other	SP: SC/UPC
	X：other				SA: SC/APC
					LP: LC/UPC
					LA: LC/APC
					X: other