



Mini PD80 with pigtail

Features:

- Low Capacitance and High Speed with a Mini PIN Structure
- Low Voltage Operation
- Low Dark Current
- Excellent Stability

Applications:

- Optical Fiber Communication Systems to 1.0GHz
- Fiber Power Monitoring
- Spectral Measurement

Specifications:

Absolute Maximum Ratings

Parameter	Symbol	Min	Max.	Unit
PD Forward Current	$I_{f(PD)}$	--	10	mA
PD Reverse Voltage	$V_{r(PD)}$	--	20	V
Input optical power	P_{in}	--	3	dBm
Operating Temperature	T_{op}	-40	85	°C
Storage Temperature	T_{stg}	-40	85	°C
Lead Solder Temperature	--	--	260	°C
Lead Soldering Time	--	--	10	s

Optic and Electric Characteristics($T_a=25^{\circ}C$)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Bandwidth	BW	$V_r=5V, -3dB$	1.0	--	--	GHz
Responsivity	Res	1550nm, $V_r=5V$	0.85	0.90	--	A/W
Dark Current	I_d	$V_r=5V$	--	--	1	nA
Total Capacitance	C_t	$V_r=5V$	--	--	3.0	pF
Optical Return Loss	ORL	1550nm	--	--	-40	dB

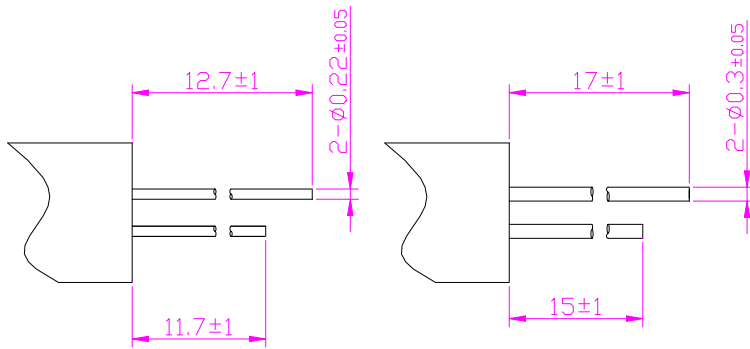
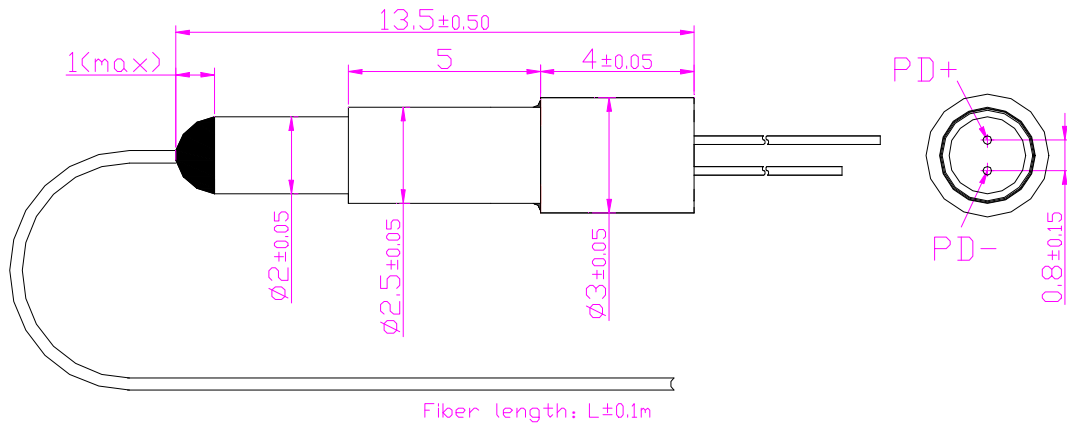
Fiber Pigtail Characteristics

Parameter	Specifications
Fiber Type	Corning SMF-28e(Type ITU-T Ultr) Corning ZBL
Fiber bend radius	$\geq 15mm$ $\geq 10mm$
Fiber Length	$L \pm 0.1 m$
Fiber color	Natural or Black
Connector Type	None

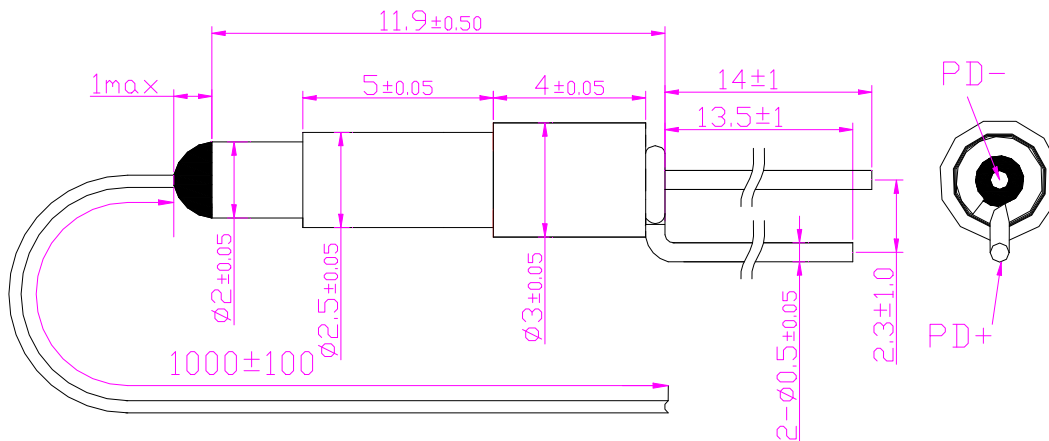


Outline:

TYPE A



TYPE B





Order Information:

Mini PD80 — — — —

<u>Fiber Diameter</u>	<u>Fiber Length</u>	<u>Fiber color</u>	<u>Fiber type</u>	<u>PIN OUT</u>
S0: SMF-Ø250µm	1m:1.0±0.1m	Natural	Ultre	TYPE A
S1: SMF-Ø900µm	2m:2.0±0.1m	Black	ZBL	TYPE B

Statement:

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