

# E-PA InGaAs PIN PIGTAIL

**Features:**

- High responsivity
- Low dark current
- Fast pulse response
- Low inter-modulation distortion
- Suitable for CATV application



**Performance Specifications:**

**Absolute Maximum Ratings (Tc=25C)**

PARAMETER	SYMBOL	UNIT	min	max	Conditions
Operating Temperature	Ta	°C	-40	85	
Storage Temperature	TSTG	°C	-40	85	
Lead Solder Temperature	Tsol	°C		260	10seconds
Forward Current	If	mA		3	
Reverse Voltage	Vr	V		20	

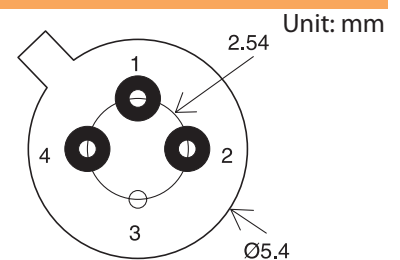
**Electro-Optical Specifications (Operating at Vr =5V 9/125um SM fiber)**

PARAMETER	SYMBOL	UNIT	MIN.	TYP.	MAX.	TEST CONDITIONS
Detection Range	$\lambda$	nm	1100	1310	1650	
Responsivity	R	A/W	0.8	0.9		$\lambda = 1310\text{nm}$
Dark Current	Id	nA			4	Ta=25°C
Breakdown Voltage	VBD	V	40			IR=10uA
Capacitance	C	pF		0.7		f=1 MHz
Second Order Inter Modulation Distortion	IMD2	dBc		-80	-75	$\lambda = 1310\text{nm}$ , 2 laser 2 tone, OMD=70% each Pin=0dBm, (Note 1)
Band Width	BW	GHz	3			

Note: 1 modulation input light signal come from two independent laser source with a modulation

**Outline Dimension:**

TYPE	Description			
K	1	2	3	4
	Anode	Cathode	Case	NC



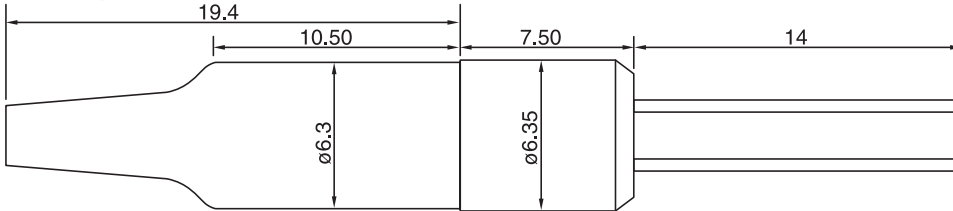
Bottom View

# InGaAs PIN PIGTAIL

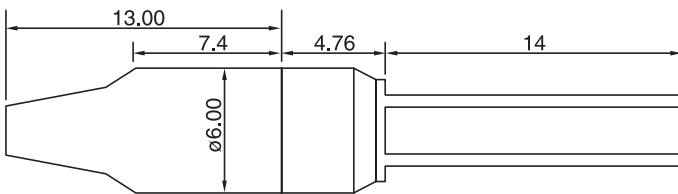
## Outline Dimension:

Unit: mm

Drawing A:



Drawing B:



## Ordering Information:

E - PA - 3G       K  X    - 4A -

<b>Bandwidth</b>	3G 3 GHz					
<b>PIN Type</b>	I InGaAs PIN G GaAs PIN					
<b>Connector Type</b>	ST	ST/PC	LC	LC/PC	AL	LC/APC
	SC	SC/PC	AS	SC/APC	NC	Without Connector
	FC	FC/PC	AP	FC/APC		
<b>Fiber Type</b>	A Single-Mode 9/125μm					
<b>Cable Type</b>	B Bare fiber T Simplex, PVC tight buffer cable(0.9mm) H Simplex, Hytrel tight buffer cable(0.9mm) X Other, please specify					
<b>Pin Assignment</b>	K K Type					
<b>Flanger</b>	N Without Flange X Other, please specify					
<b>Fiber Length</b>	X050 50cm X100 100cm X200 200cm X300 300cm					
<b>Mechanical Dimensions</b>	0 Drawing A 1 Drawing B					