

## High Sensitivity PIN-FET Receiver Module



High Sensitivity PIN-FET Receiver Module( Transimpedance: 10-1200Kohms, ,dynamic range: 25dB, package: 14pins/8 pins)

### Specifications @ 25°C (+/- 5.0 VDC)

Type	Bandwidth* (MHz)	Sensitivity (dBm)	Transimpedance (Kohms)	Dynamic range (dB)	Noise (mV)
IDPM0040	20	-44	40	25	0.1
IDPM0400	12	-52	400	25	0.3
IDPM0800	8	-54	800	25	0.5
IDPM1200	6	-55	1200	25	0.7
IDPM1400	4	-56	1400	25	0.9

### Parameter @25°C (+/- 5.0 VDC)

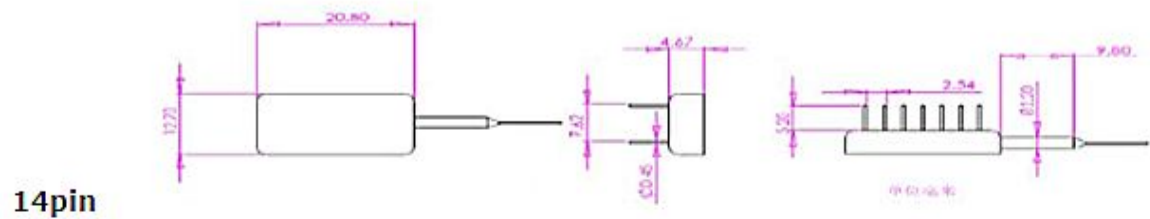
Parameter	Unit	Min	Typical	Max
Dark Current	nA	/	/	0.2
PIN responsibility	1310nm	A/W	0.9	/
	1550nm		0.95	/
Sensitivity vs temperature	dB	/	<1.5	
+5 V Operating current	mA	/	25	35
-5 V Operating current	mA	/	10	15

### Absolute Maximum Ratings

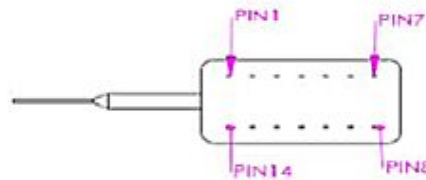
	Unit	IDPM series
Operating temperature	°C	-40 to 85
Storage temperature	°C	-40 to 85

Forward voltage	V	6
Reverse voltage	V	-6
soldering time 260°C	S	10

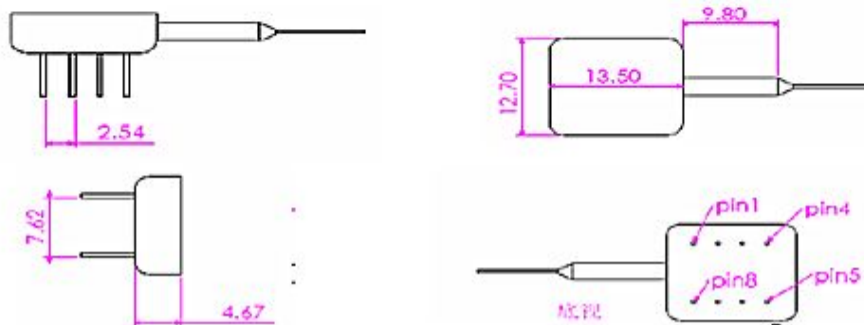
## Package



### 14pin



### 8pin



## Pin definition

### 14 pin

pin	function	pin	function
1	-5V (Bias Voltage)	8	Grounding
2	NC	9	NC
3	Grounding	10	+5V Power Supply
4	-5V Power Supply	11	NC
5	Grounding	12	NC
6	NC	13	NC
7	Signal Output	14	NC

## 8 pin

pin	function	pin	function
1	-5V Power Supply	5	Grounding
2	Grounding	6	NC
3	NC	7	+5V Power Supply
4	Signal Output	8	NC

## Ordering information

IDPM \-XXXX-XX-XXX



1200: 1200K  $\Omega$

0800: 800K  $\Omega$

0400: 400K  $\Omega$

0100: 100K  $\Omega$

0040: 40K  $\Omega$

SU: SM fiber w/o connector

SF: SM fiber w/ FC/PC connector

PU: PM fiber w/o connector

PF: PM fiber w/ FC/PC connector

D14: DIP14

D08: DIP8