

# Power Monitor

## Features:

- Integrated, Low Loss Device
- Custom Tap Ratios Available
- Broad Spectral Bandwidth
- Compact Design
- RoHS Compliant



## Applications:

- Channel Monitoring
- Power Monitoring in Optical Interface Modules
- Gain Monitoring for Amplifier
- DWDM System Monitoring

## Specifications<sup>1, 2, 3</sup>:

Parameter	Unit	Grade <sup>2</sup> A <sup>2</sup>					
Operating Wavelength	nm	1270~1350 or 1520~1610			1310 & 1550		
Tap Ratio		1%	3%	5%	1%	3%	5%
Responsivity	Min. mA/W	8	20	40	8	20	40
Insertion Loss	Max. dB	0.45	0.50	0.60	0.55	0.60	0.70
Input Power	Max. dBm	27	22	20	27	22	20
WDL	Max. dB	0.3			0.4		
PDL	Typ. dB	0.03					
	Max. dB	0.1					
Return Loss	Min. dB	45					
TDL (0~70°C)	Max. dB	0.3					
Dark Current (25°C)	Typ. nA	0.4					
	Max. nA	1.0					
Capacitance	Typ. pF	0.7					
	Max. pF	0.9					
Reverse Voltage	Typ. V	5					
	Max. V	20					
Rise/Fall Time	Max. ns	0.3					
Cut-Off Frequency (3dB, Impedance= 50W)	Min. GHz	2					
Fiber Type		Corning SMF-28e					
Fiber Length	Min. m	1.0					
Operating Temperature	°C	0~70					
Storage Temperature	°C	-40~85					
Package Dimension		Standard	mm		f5.6 ±29		
					f3.5 ±21 for 250mm bare fiber		
		Mini			f3.5 ±24 for 900mm loose tube		
					f3.5 ±28 for 900mm tight buffer fiber		

1. Values referenced without connectors.

2. 4, 8, 16 power monitor array is also available.

3. Measured over whole temperature range and bandwidth.

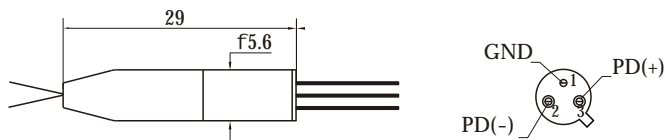
**Dimension:**


Figure 1. Power Monitor (Standard)

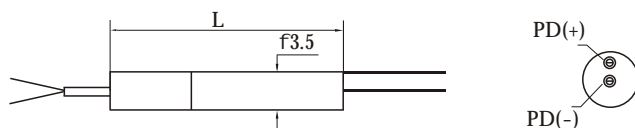


Figure 2. Power Monitor (Mini Size)

**Order Information:**

KTPM - X - XX - X - XXXX - XXXX - XX  
           A    B    C    D        E        F

A	Package Size	S=Standard
		M=Mini size
B	Tap Ratio	01=1%
		03=3%
		05=5%
C	Cut-Off Frequency	2=2 GHz
		S=Custom
D	Central Wavelength	1550=1550nm
E	Fiber Type	250S=250mm bare fiber
		900L=900mm loose tube
		900T=900mm tight buffer
F	Connector	NN=W/O connector
		XY=With connector <sup>1</sup>

1. Please specify the type of connector when ordering.

Mechanical Type	Other	SC	FC	ST	MU	LC
X	0	1	2	3	4	5
Physical Contact Type	Other	PC	UPC	APC		
Y	0	1	2	3		