

Power Monitor

Features:

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



Applications:

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

Specifications^{1,2,3}:

Parameter	Unit	Grade "P"			Grade "A"		
Operating Wavelength	Nm	1270-1350 or 1520-1620					
Tap Ratio		1%	3%	5%	1%	3%	5%
Responsivity	Min. mA/W	8	25	45	8	20	40
Insertion Loss	Max. dB	0.35	0.45	0.60	0.45	0.50	0.60
Input Power	Max. dBm	22	18	15	22	18	15
WDL	Max. dB	0.2			0.3		
PDL	Typ. dB	0.03					
	Max. dB	0.1					
Return Loss	Min. dB	45					
TDL (0~70°C)	Max. dB	0.2			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 (3 dB, Impedance= 50 Ω)	Min. GHz	2					
Fiber Type		Corning SMF-28					
Fiber Length	Min. m	1.0					
Operating Temperature	°C	0~70					
Storage Temperature	°C	- 40~85					
Package Dimension (Dia.xL)	mm	φ6.0 × 26 for 250μm bare fiber or 900 μm loose tube					
		φ6.0 × 28 for 900 μm tight buffer					

1. Values referenced without connectors.

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

3. Measured over whole temperature range and bandwidth.

Dimension:

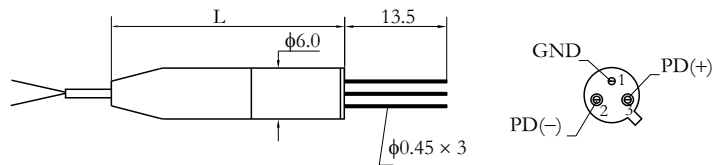


Figure 1. Power Monitor

Order Information:

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

A	Grade	P=Grade "P"
		A=Grade "A"
		S=Custom
B	Tap Ratio	01=1%
		03=3%
		05=5%
C	Cut-Off Frequency	2=2 GHz
		S=Custom
D	Central Wavelength	1550=1550 nm
E	Fiber Type	250S=250 μm bare fiber
		900L=900 μm loose tube
		900T=900 μm tight buffer fiber
F	Connector	N=W/O connector
		Y=With connector ¹

1. Please specify the type of connector when ordering.