

FWDM/Tap Power Monitor (FPM/TPM)

Description

FWDM/Tap power monitor is designed to meet online optical power monitor applications. FWDM power monitor is used to demux 1310, 1490 and 1550nm wavelength and One of the three wavelengths is dropped to the PD; Tap Power Monitor was designed to meet online optical power monitor applications.

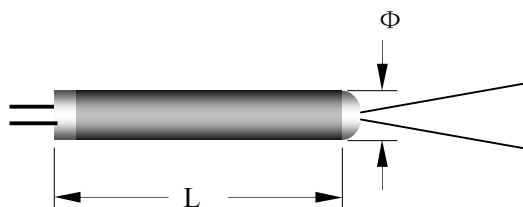
Key Features

- * InGaAs PIN photodiode
- * Compact package
- * Low insertion loss and high channel isolation



Applications

- * CWDM, Add/Drop and CATV system
- * Test & measurement
- * FTTH



Specifications

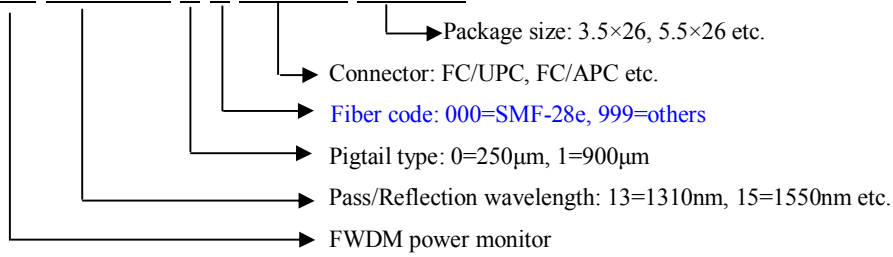
Parameter	Type	FWDM power monitor (FPM)			Tap power monitor (TPM)		
Operating wavelength (nm)		1310±40, 1490±10, 1550±10			1260~1360 or 1460~1620		
Pass/Reflection wavelength (nm)		On customer request			1% Pass	3% Pass	5% Pass
Responsibility (mA/mW)		≥0.75 (0.80 typical)			≥0.008	≥0.025	≥0.040
Reflection band insertion loss(dB)		≤0.6 (0.40 typical)			≤0.35	≤0.45	≤0.6
Pass band isolation (dB)		≥30					
Reflection band isolation (dB)		≥15					
PD dark current (T=25°C, VR=5V) (nA)					≤1.0		
Capacitance (f=1MHz, VR=5V) (pF)					≤6.0		
Return loss (dB)					≥50		
PDL (dB)					≤0.1		
Insertion loss thermal stability (dB/ °C)					≤0.005		
Power handling @ PD (mW)					≤10		
Operating temperature(°C)					-5 ~ +70		
Storage temperature(°C)					-40 ~ +85		
Dimensions (mm)		Φ3.5×L26, Φ5.5×L26, or On customer request					

*Above specifications are for device without connector.

*The PD' specifications can be made on customer request.

Ordering Information

FPM-TXX/RXX-X-X-XX/XXX-XX*XX



TPM-XXXX-XX/XX-X-X-XX/XXX-XX*XX

