

## 4 x FWDM Module Set

The FWDM series is based on environmentally stable TFF(Thin Film Filters) technology. The device combines or separates light at different wavelengths in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability. It has a variety of package sizes and wavelength options. Typical FWDM multiplexes 1310, 1490, 1550 nm signals into one optical fiber for transmission, or de-multiplexes multiple signals in one optical fiber. It can also realize dual optical fiber transmission with both ends multiplexed and de-multiplexed simultaneously. It is cost-efficiency, widely used in combination with triple play, FTTX, etc.

### Product functions and features

Low insertion loss  
 High isolation  
 Compact Size  
 Excellent Stability

### Application

Long-haul Uni & Bi-directional Telecommunication System  
 CATV Systems & Fiber Optic Sensor  
 Digital, Hybrid And Am-video System

### Specifications:

Parameter Specification	
Operating Wavelength (nm)	1310 / 1490 / 1550
Bandwidth (nm)	1310±40/ 1490±10 / 1550±10
Pass band Insertion Loss (dB)	≤0.9
Reflection band Insertion Loss (dB)	≤0.7
Pass band Isolation (dB)	≥30
Reflection band Isolation (dB)	≥15
Polarization Dependent Loss (dB)	≤0.1
Return Loss (dB)	≥55
Operating Temperature (°C)	-40 ~ +85 with Bare Fiber
	-25 ~ +75 with 0.9mm Buffer Fiber
Package Size (mm)	108*39*110
connector	SC/APC