

## 1625nm FWDM



Gezhi Optical Fiber Filter WDM FTTX 1625nm is made by special optical components and advanced technology, it can deeply let 1600-1670nm wavelength pass but efficiently filter out 1250-1590nm wavelength. This product is mainly used in optical fiber on-line testing. It is ideal component of 1625/1650nm optical fiber filtering.

It enable testing fibers that are bearing traffic with an OTDR by inserting an out-of-band wavelength (1625 or 1650 nm). The OTDR signal is added to the data signal by using a wavelength division multiplexer (WDM). At the other fiber extremity, a filter blocks the OTDR signal. When OTDR measurement range can cover more than one fiber span, a bypass can extend the OTDR signal to the adjacent span

### ◆ Features:

- Telcordia GR1221,RoHS Compliant
- Optical path epoxy free and excellent thermal stability
- Low insertion loss and high isolation
- Wide and flat passband

### ◆ Application:

- FTTX on line testing
- OTDR monitor module
- 1625/1650nm filter system

◆ Specifications:

Parameter		Specification
Central wavelength (nm)		1625
Pass band wavelength(nm)		1600~1670
Reflection wavelength(nm)		1260~1590
Insertion Loss	Pass (C→T)@PB	≤0.8
	Reflect (C→R)@SB	≤0.6
Isolation (Pass)		≥40
Isolation (Ref)		≥15
Directivity (dB)		≥55
Return loss (dB)		≥45
PDL(dB)		≤0.10
Insertion loss thermal stability(dB)		≤0.005
Power handling (mW)		≤500
Operating temperature(°C)		0 ~ +70
Storage temperature(°C)		-40 ~ +85
Dimensions(mm)		Φ5.5xL38mm

◆ Ordering information:

Wavelength	Package Spec	Fiber Type	Fiber Diameter	Fiber Length	Connector
T1625R1310/1490/1550	S1= Steel tube φ5.5x38mm A0=ABS box 90x20x10mm A1=ABS box 100x80x10mm A2=ABS box 120x80x18mm A3=ABS box 140x115x15mm L1=LGX 129*29*130mm L2=LGX insert in 2slot Rack L4=LGX insert in 4slot Rack R1=19" 1 U Rack R2=2slot 19"1U Rack R4=4slot 19"1U Rack X=Customized	9=9/125 X=Others	25=250um 90=900um 20=2.0mm 30=3.0mm X=Others	05=0.5m 10=1.0m 15=1.5m X=Others	00=none LP=LC/UPC LA=LC/APC SP=SC/UPC SA=SC/APC FP=FC/UPC FA=FC/APC X=Customized