

1577 WDM Pluggable Wavelength Blocking Filter

Description

The 1577 Pluggable Wavelength Blocking Filter is easily installed on existing GPON ONU equipment to block 1577nm XGS-PON signals. This solution is simple and low cost to solve the issue that 1577nm could cause interfering with 1550nm signal to CATV RF receiver in GPON ONU.

Low-profile compact design can be easily installed on the ONT side of FTTH optical networks.

Applications

- FTTH Networks
- XGS-PON

Features

- Low Insertion Loss
- Easy to Install
- Bidirectional
- Excellent environmental & mechanical stability
- RoHS compliant



1577 Pluggable [Male - Female]
SC/APC Wavelength Blocking Reflector

1577 WDM Pluggable Wavelength Blocking Filter

Specifications

Parameters	Value
Wavelength Pass 1310 1490 1550 [nm]	< 1560
Wavelength Blocked [nm]	> 1574-1581
Pass Port Insertion Loss [dB]	0.80
Pass Port Isolation for 1574 – 1581nm [dB]	> 43
Return Loss @ 1310nm [dB]	45
Return Loss @ 1550nm [dB]	48
Polarization Dependent Loss (PDL) [dB]	0.20
Operating Temp. Range [°C]	-40 to +85
Storage Temp. Range [°C]	-40 to +85
Connector type	SC/APC
Physical Dimensions [mm]	33.0l x 12.8h x 9.5w

Ordering information

Part number

MFT-WBF-P-70-ALC	1577 WDM Pluggable LC/APC Wavelength Blocking Filter
MFT-WBF-P-70-ASC	1577 WDM Pluggable SC/APC Wavelength Blocking Filter