

Multi-Channel WDM

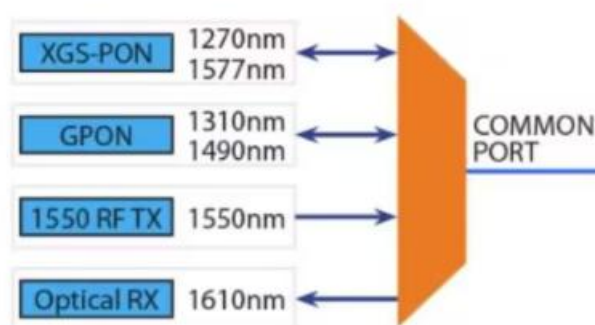
XGS-PON/ G-PON/RFoG

FWDM 1X4 MUX G-PON 1310/1490 & XGS-PON 1270/1577

&1550/1610nm SC/APC LGX Box



XGS-PON/GPON/RFoG WDM filter module is a singleWDM device used to combine current GPON FTTH services with emerging XGS-PON.



Thin film technology is designed to allow XGS-PON wavelengths (1270/1577nm). GPON wavelengths (1310/1490nm),and RFoG wavelengths (1550/1610nm)to coexist on a single fiber.

Features

- ◆ Wide bandwidth
- ◆ Low insertion loss
- ◆ High channel isolation
- ◆ Exceptional reliability and stability

Applications

- ◆ Optical amplifiers
- ◆ CATV

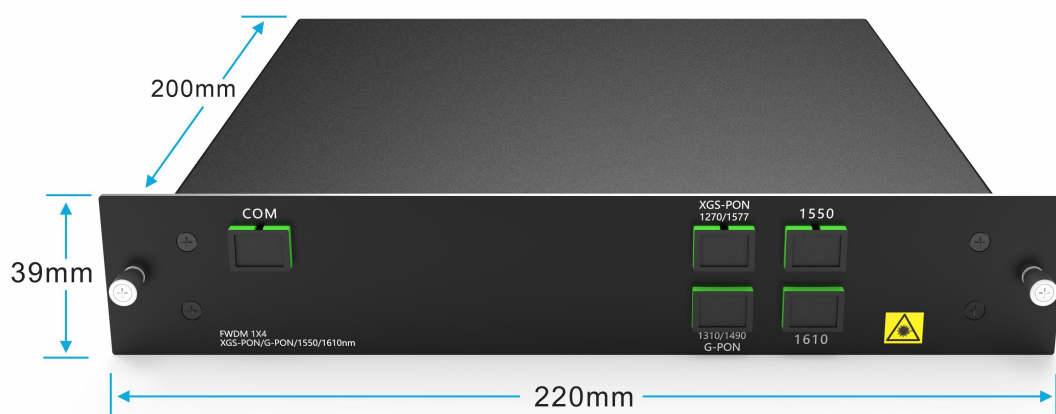
Specifications

Item	Unit	Parameters		
Wavelength range	nm	1260~1625		
Channel		G-PON	XGS-PON	RF
Channel wavelength	nm	1310/1490	1270/1577	1550/1610
Channels	ch	4		
Passband ripple	dB	≤ 0.5		
Channel insertion loss	dB	≤ 1.5		
Isolation	dB	≥ 30		
Polarization dependent loss	dB	≤ 0.2		
Polarization mode dispersion	ps	≤ 0.2		
Directivity	dB	≥ 50		
Return loss	dB	≥ 50		
Optical power handling	mW	≤ 500		
Operating temperature range	$^{\circ}\text{C}$	-40 to 80 $^{\circ}\text{C}$		
Storage temperature range	$^{\circ}\text{C}$	-40 to $+85$ $^{\circ}\text{C}$		
Fiber type		SMF-28e		
Connector Type		SC/APC		
Package dimensions	mm	LGX 220x30x200 1U 440*40*230		

Product Panel



Package dimensions



Plug-in LGX Box



1U Rack for Holding up two LGX Box

Order Information

Product No.	Product description
FWDM-4CH-SCA	FWDM 1X4 MUX G-PON 1310/1490 & XGS-PON 1270/1577&1550/1610nm SC/APC LGX Box
1U02-2LGX	19" inch 1U rack with 2 slot for Plug-in LGX box, 440*230*44mm

Note: We Support Customized Design, please contact us by email.