

LGX Cassette PON WDM

GPON/XG-PON1/NG-PON2/Video

Description

The GrowsFiber LGX Cassette PON WDM is designed for a range of PON coexistence applications. It uses wavelength as the identity of the Client ONU and realizes the uplink access, providing wide bandwidth to achieve broadband access in the true sense of symmetry. It is based on TFF technology and operates at wavelengths from 1260nm to 1650nm. The Port Configuration (GPON, XG-PON1, NG-PON2, and Video) and Adapter Type can be customized.

Features

- Low insertion loss
- High isolation
- Low polarization dependent loss
- Compact design
- Wide operating wavelength range
- High reliability and high stability
- Telcordia GR-1209-CORE-2001 compliant
- Telcordia GR-1221-CORE-1999 compliant
- RoHS compliant



Applications

- GPON System
- XG-PON1 System
- NG-PON2 System
- Video Optical Transmission Network

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Specifications

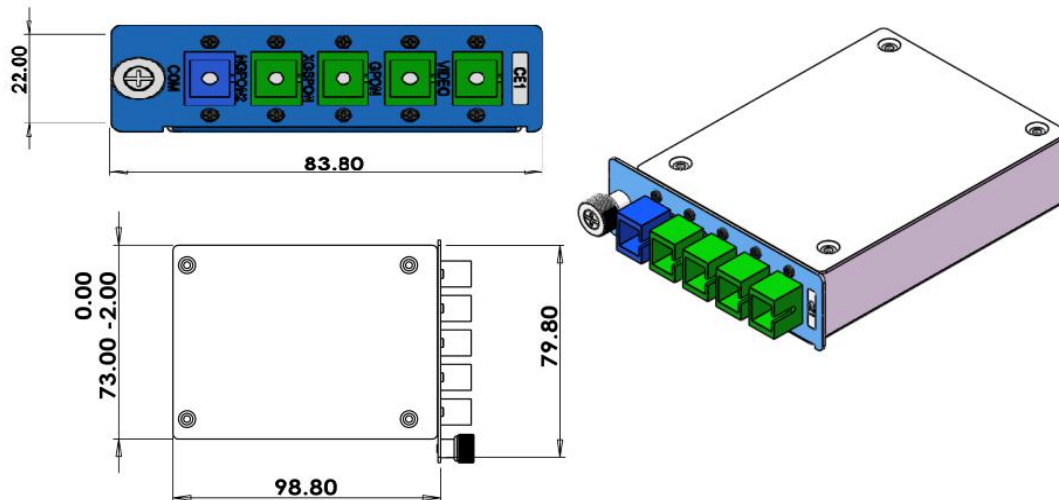
Parameters	Channel Options			
	GPON	XG-PON1	NG-PON2	Video
Channel Type	GPON	XG-PON1	NG-PON2	Video
Uplink Operating Wavelength (nm)	1290 to 1330	1260 to 1280	1524 to 1544	1550 to 1560
Downlink Operating Wavelength (nm)	1480 to 1500	1575 to 1581	1596 to 1603	
Insertion Loss (dB) ²	< 1.0	< 1.2	< 2.0	< 1.5
Isolation (dB)	> 30			
Directivity (dB)	> 50			
Return Loss (dB)	> 45			
Ripple (dB)	< 0.5			
Polarization Dependent Loss (dB)	< 0.2			
Polarization Mode Dispersion (ps)	< 0.1			
Maximum Optical Power (mw)	300			
Operating Temperature (°C)	-5 to +75			
Storage Temperature (°C)	-40 to +85			
Package (mm) (L×W×H)	98.8×83.8×26			

Notes:

1. All specifications are based on the devices without connectors or adapters, and guaranteed over wavelength and temperature. Fiber type is G657A1.
2. An additional 0.3dB loss ought to be added per adapter.

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Mechanical Dimensions



Ordering Information

Part Number	Description
GFPWL1	LGX Cassette PON WDM, GPON & XG-PON1 Channels
GFPWL2	LGX Cassette PON WDM, GPON & XG-PON1 & NG-PON2 Channels
GFPWL3	LGX Cassette PON WDM, GPON & XG-PON1 & NG-PON2 & Video Channels

Note: If there is a demand for orders that are different from those described above, please contact GrowsFiber. Customized options are shown as following:

Adapter Type	None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC
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