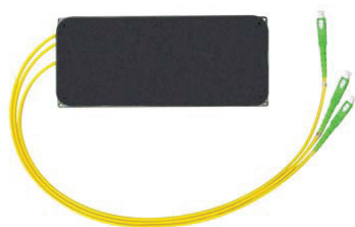


1550 nm Forward /GEPON WDM Module

The QAMnet WDM-GP series multiplexer utilizes Wavelength Division Multiplexing (WDM) technology to separate or combine 1310 nm/1490 nm wavelengths channel with 1550 nm wavelength signals.

WDM-GP 1550 nm Forward /GEPON WDM Module



Product Description

The QAMnet WDM-GP series multiplexer utilizes Wavelength Division Multiplexing (WDM) technology to separate or combine a 1310 nm/1490 nm wavelength channel with a 1550 nm wavelength signals. In the standard HFC system, the 1310 nm channel is used for return path, the 1550 nm wavelength is used for forward path and the 1490 nm is typically used for GEAPON signals. The WDM-GP multiplexer features low insertion loss, high isolation and stable temperature operation.

The WDM-GP is available in either a rugged module with SC/APC connectors or unpackaged device form. The module housing is fabricated with precision machined aluminum.

Features

- Low insertion loss
- High isolation value of 30 dB
- Broad wavelength window operation
- Rugged construction (module type)
- Operating temperature range -20°C to +55°C

Applications

✓ HFC ✓ FTTH ✓ RFoG ✓ Deep Fiber Applications

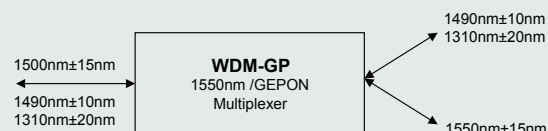
PRODUCT SPECIFICATIONS

Optical Specifications

| | |
|---|--|
| Insertion Loss | 0.5 dB typ. (device); 1.1 dB typ. (module) |
| Isolation | |
| Transmitting Isolation (1550nm Forward Transmitter to 1490nm/1310nm GEAPON) | 17 dB typ. |
| Receiving Isolation (1490nm/1310nm GEAPON to 1550nm Forward Receiver) | 35dB min., 40dB typ. |
| Polarization Dependent Loss | 0.1 dB max. |
| Return Loss | 50 dB min. |
| Power Handling | 500 mW max. |

Mechanical Specifications

| | |
|-----------------------------|---|
| Operating Temperature Range | -20°C to +55°C |
| Connectors | SC/APC or customer specified |
| Device Dimensions | 2.95" (L) x 0.15" Ø |
| Housing Dimensions | Type A: 7" (L) x 3" (W) x 0.62" (H) Type B: 4.72" (L) x 3.55" (W) x 0.55" (H) |
| Fiber Patchcord | 3mm, 0.5 meter length |
| Housing | Machined Aluminum (module) |



Ordering Information

WDM-GP-x

x d (unpackaged device), m (module)