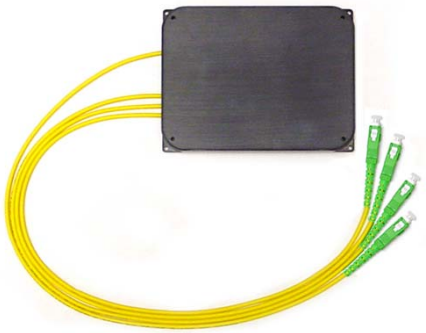
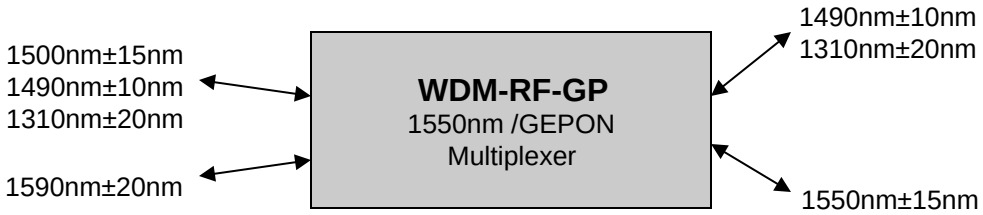
WDM-RF-GP | RFoG /GEPON WDM Module

WDM-RF-GP | RFoG/GEPON WDM Module



The QAMnet WDM-RF-GP series multiplexer utilizes Wavelength Division Multiplexing (WDM) technology to separate or combine 1310nm/1490nm wavelengths channel with 1550nm and 1590nm wavelength signals in RFoG. In the standard HFC system, 1310nm channel is used for return path, 1550nm wavelength is used for forward path and 1490nm is typically used for GEPON signals. WDM-RF-GP multiplexer features low insertion loss, high isolation and stable temperature operation.

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



Features

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

Ordering Information

- WDM-RF-GP-x
- x: m (ruggedized module)

  d (unpackaged device)

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Technical Specifications

Model Number	WDM-RF-GP
Insertion Loss	0.5 dB Typical (device)
	1.1 dB Typical (module)
Isolation	
Transmitting Isolation (1550nm Forward Transmitter to 1490nm/1310nm GEPON)	17 dB Typical
Receiving Isolation (1490nm/1310nm GEPON to 1550nm Forward Receiver)	35dB Minimum, 40dB Typical
Polarization Dependent Loss	0.1 dB Maximum
Return Loss	50 dB Minimum
Power Handling	500 mW Maximum

Environment / User Interface

Operating Temperature Range	-20°C to +55°C
Connectors	SC/APC or customer specified
Device Dimensions	2.95” (L) x 0.15” (Φ)
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

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