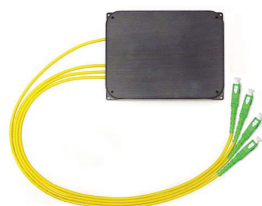


# WDM Coupler 1310 nm/1550 nm

The QAMnet WDM1315-HI series coupler utilizes Wavelength Division Multiplexing (WDM) technology to separate, combine 1310 nm and 1550 nm wavelength channels.



WDM-1315-HI WDM Coupler 1310 nm/1550 nm

## Product Description

The QAMnet WDM1315-HI series coupler utilizes Wavelength Division Multiplexing (WDM) technology to separate, combine 1310nm and 1550nm wavelength channels. In the standard HFC system, 1310nm channel is used for return path and 1550nm wavelength is used for forward path. The coupler features low insertion loss, high isolation, and stable temperature operation.

WDM1315-HI is available in either a rugged module with connectors or unpackaged device form. The module housing is fabricated with machined aluminum.

## Features

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

## Applications

✓ HFC    ✓ FTTH    ✓ RFoG    ✓ Deep Fiber Applications

## PRODUCT SPECIFICATIONS

### Optical Specifications

Input Fiber [2] Wavelength Range	1310 nm $\pm$ 40 nm
Input Fiber [3] Wavelength Range	1550 nm $\pm$ 40 nm
Output Fiber [1] Wavelength Range	1310 nm $\pm$ 40 nm / 1550 nm $\pm$ 40 nm
Isolation between 1310nm/1550nm	$\geq$ 40 dB
Insertion Loss (device)	< 0.5dB
Insertion Loss (module)	1.5 dB Typical (including connectors)
Return Loss	> 50 dB
Directivity	> 50 dB
Polarization Dependent Loss	$\leq$ 0.15 dB
Power Handling Capability	+23 dBm max.
Fiber Type	SMF-28
Environmental	-30°C to +55°C
Connectors	SC/APC, FC/APC, E2000
Housing Dimensions	10 mm (H) X 8 mm (W) X 80 mm (L)

## Ordering Information

### WDM-1315-x

x                      d (unpackaged device), m (module)