

### **Radiant Communications Corp**

www.rccfiber.com (800) 969-3427

# WDM-H1315 Series High Isolation WDM

Radiant High Isolation Wave Division Multiplexers are made to high quality standards. We test to ensure that low insertion loss & high reflectance standards are met before each shipment to our customer.

<u>Packaging options</u> – RCC can supply your High Isolation WDM's in a variety of packaging options. Please see the build listing information section for further packaging information.

<u>Part Number Information</u> - Please see the build listing information section for further product listing information.

<u>EATURES</u>

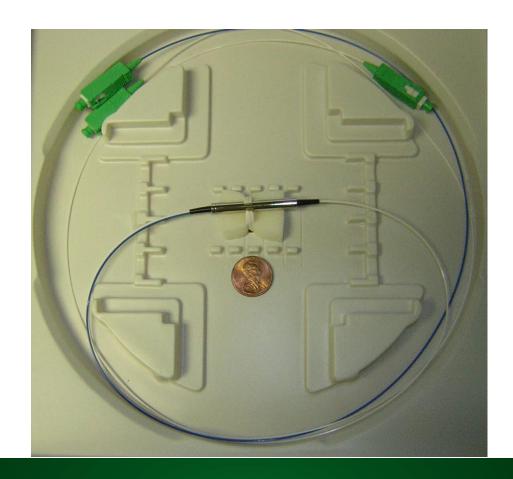
Environmentally stable
Wide bandpass
Low return loss
Low loss, low crosstalk
High Isolation
Low polarization dependent loss
Optical path epoxy free

PLICATIONS

**CATV** 

Local area network

**Fiber Optic sensors** 



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## RCC High Isolation WDM

#### Performance Specifications

Operating wavelength, nm 1270~1350 & 1510~1590

Bandwidth, 1310 & 1550 +/- 40 nm

Insertion loss, dB, typical < 1.0 dB, max - < 1.0 dB

Passband ripple, dB  $\leq 0.3$ 

Isolation, dB ≥ 40 reflect channel, > 40 pass channel

Optical return loss, dB Directivity, dB ≥ 50 Thermal stability, dB / C ≤ 0.005 Polarization dependent loss, dB ≤0.05 Polarization mode dispersion, ps ≤ 0.1 Max optical power, mW 300 Max tensile load, N 5 -40~85 Storage temperature Operating temperature, C 0~70

#### High Isolation WDM build information

**HIGH ISOLATION WDM IDENTIFIER:** 

WDM-H1315 - 1310/1550 SINGLEMODE HIGH ISOLATION WDM

**PACKAGING OPTION:** 

RC – RUGGEDIZED COMPONENT 1U – 1U RACK MOUNT UNIT LG – LGX COMPATIBLE MODULE CC – RCC 3U CARD CAGE UNIT

9C - 900 MICRON LOOSE TUBE

**CONNECTOR TYPE:** 

A-SCAPC B-FCUPC D-STUPC E-SCUPC

F - LCUPC G - LCAPC NC - NO CONNECTOR

**COMPONENT TOTAL (OPTIONAL):** 

AMOUNT OF HWDM's TO BE INSTALLED IN PACKAGING

1U - 1U rack can hold multiple HWDM's

MO – can hold up to 2pc HWDM's

LG - can hold up to 2pc HWDM's

CC - can hold multiple HWDM's



To our left, we have a unit pictured as an example. The unit is a high Isolation WDM with SCAPC connectors, installed in a ruggedized cartridge.

The part number for the illustrated item would be WDM-H1315-RC-A.

Additional information pertaining to High Isolation WDM's is available. Please contact Radiant for more information.

WDM-H1315-RC-A

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