



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.

Packaging options – 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.

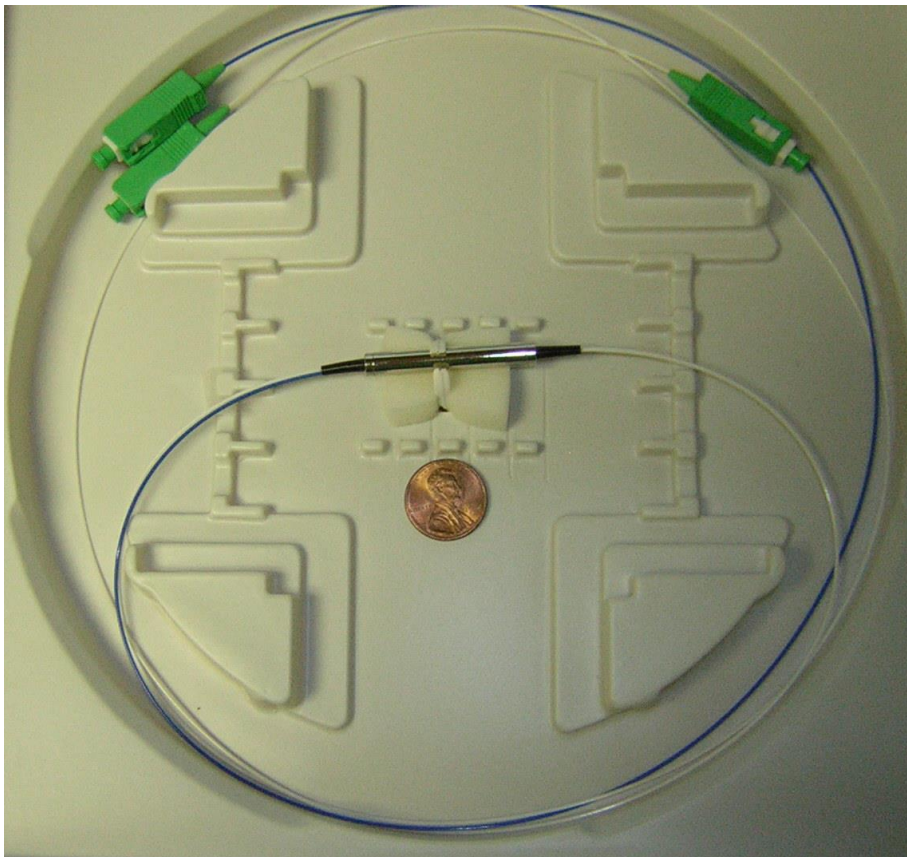
Part Number Information - Please see the build listing information section for further product listing information.

**FEATURES**

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

**APPLICATIONS**

- CATV
- Local area network
- Fiber Optic sensors

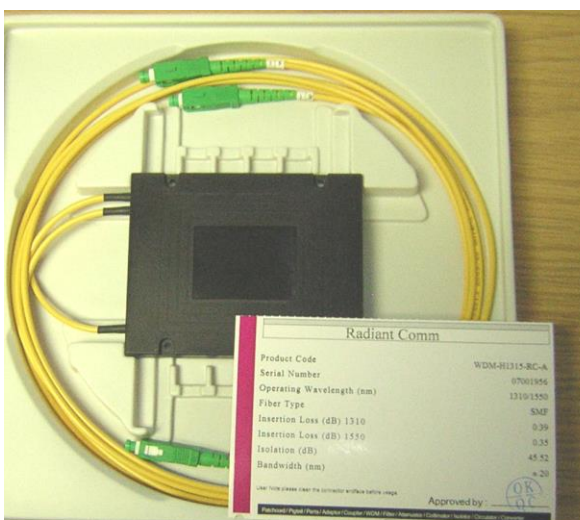
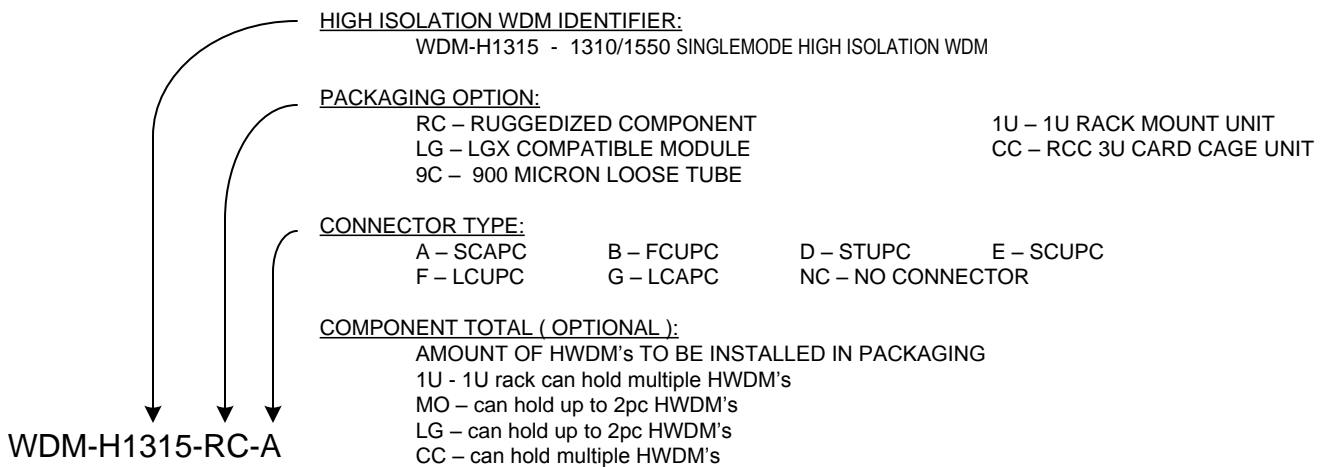


# RCC High Isolation WDM

## 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	≤ 0.3
Isolation, dB	≥ 40 reflect channel, ≥ 40 pass channel
Optical return loss, dB	≥ 45
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
Storage temperature	-40~85
Operating temperature, C	0~70

## High Isolation WDM build information



*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.*