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.