

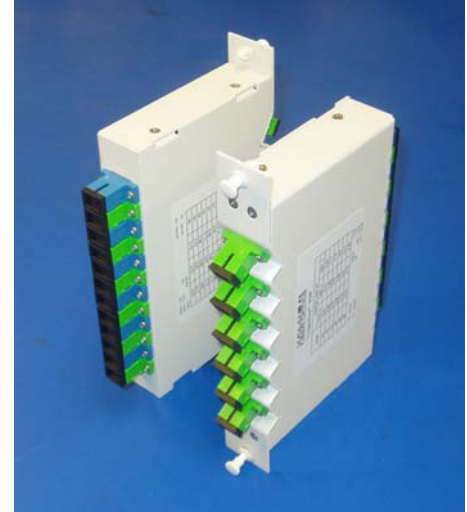
Tri-HeptoWave™ WDM 1310/1490/1550

Tri-HeptoWave™ WDM 1310/1490/1550nm

Tri-HeptoWave™ WDM is an innovative HeptoPort™ product line based on thin film filter technology and precision fiber optic packaging. Applying patented and proven IMPACT MOUNT™ technology (IMT) to multiple channel scenarios, Tri-HeptoWave™ WDM is a 3-in-1 add/drop utilizing a self-aligned two dimensional (2D) fiber bundle connection. This unique feature significantly reduces the total add/drop cost and space by up to a factor of three.

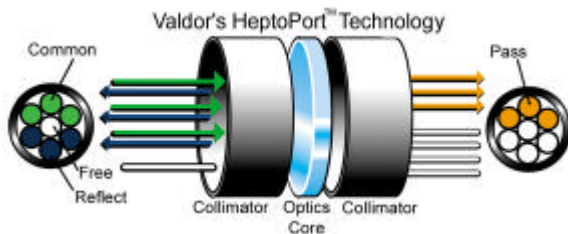
Tri-HeptoWave™ WDM enables a single optical filter with three wavelengths (1310/1490/1550) to be shared by up to three add/drop multiplexers. This product offers excellent channel bandwidth, flexible channel configuration, low insertion loss and high isolation.

Tri-HeptoWave™ WDM has the highest density per surface area to interconnect optical elements. All Valdor products are epoxy-free in the optical path.



Features

- Low Insertion Loss
- Epoxy-Free Light Path
- IMPACT MOUNT™ Technology
- RoSH/WEEE Compliant
- Telecordia GR1221 and GR1209 Tested
- Significant Cost Reduction for Multi-Port application.



IMPACT MOUNT™ Technology

IMPACT MOUNT™ Technology is a ferrule-based, mechanical fiber packaging technology. It carries a legacy of success in the medical, military and aerospace industries.

Applications

- FTTH, FTTP
- Broadband CATV systems
- Fiber Optic Systems

Performance Specifications

Tri-HeptoWave™ WDM 1310/1490/1550

| | |
|--|---|
| Wavelength Range, Passport (nm) | 1540 –1560 |
| Wavelength Range, Reflect (nm) | 1260-1360 , 1480-1500 |
| Insertion Loss @ Pass Port (dB)* P ₁ , P ₂ , P ₃ | = 1.0 |
| Insertion Loss @ Reflect Port (dB)* R ₁ , R ₂ , R ₃ | = 1.0 |
| Ripple (dB) | = 0.3 |
| Isolation, Passport (dB) | = 20 |
| Isolation, Reflect(dB) | = 20 |
| Return Loss (dB) | = 45 |
| Directivity (dB) | = 50 |
| Polarization Dependent Loss (PDL) (dB) | = 0.2 |
| Maximum Power Handling (mW) | 300 |
| Operating Temperature (°C) | -5 to +70 |
| Storage Temperature (°C) | -40 to +85 |
| Package Dimension (mm) | SMF-28 Bare Fiber = 5.5(Ø) x 34(L) 900µm Loose Tube = 5.5(Ø) x 40(L) |

* Insertion loss does not include connector loss.

Technical Information

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