

# 0406 Optical Add-Drop Multiplexer



## 1557.36 nm (CH.16) 100 GHz DWDM Add-Drop Module

The W2002-S allows system designers optimal configuration flexibility. These Telcordia-qualified devices can be used to suppress noise and eliminate crosstalk. These dielectric filter-based devices offer low insertion loss and high isolation in a totally passive device. Housed inside a precision machined aluminum package, these modules are ready to use.

### FEATURES

- 100 GHz Spacing on ITU Grid
- Passive Design with Thin-filmed Filter
- Low Insertion Loss and High Isolation
- Low PDL, PMD

### USE IN

- Channel Add/Drop
- DWDM Network
- Wavelength Routing
- Fiber Optical Amplifier
- HFC Fiberoptic System

|                             |               |
|-----------------------------|---------------|
| Channel No.                 | 16            |
| Center Wavelength           | 1557.36 nm    |
| Passband                    | ±0.32 nm      |
| Insertion Loss (In-Drop)    | 1.5 dB max.   |
| Isolation (In-Drop)         | 30 dB min.    |
| Insertion Loss (Add-Out)    | 1.5 dB max.   |
| Isolation (Add-Out)         | 15 dB min.    |
| Insertion Loss (In-Out)     | 1.0 dB max.   |
| Isolation (In-Out)          | 35 dB min.    |
| Directivity                 | 65 dB min.    |
| Return Loss                 | 40 dB min.    |
| Polarization Dependent Loss | 0.1 dB max.   |
| Operating Temperature       | -5°C to 65°C  |
| Storage Temperature         | -40°C to 85°C |
| Package Dimension           | 89x51x8 mm    |