

# 0301 CWDM Filter

W3103-S



## 1X2 CWDM Device, 1330 nm

This 1x2 CWDM device which can achieve line monitoring. It provides low insertion loss, high channel isolation, wide pass band, high stability and reliability and epoxy free optical path. It can be used for access network, WDM network, cellular application and fiber optical amplifier.

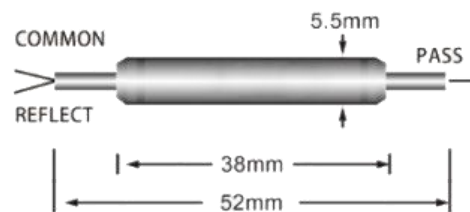
### FEATURES

- Low Insertion Loss
- Wide Pass Band
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path

### USE IN

- Line Monitoring
- WDM Network
- Telecommunication
- Cellular Application
- Fiber Optical Amplifier
- Access Network

### MECHANICAL DRAWING



|                                       |                 |            |
|---------------------------------------|-----------------|------------|
| Channel Wavelength                    | 1330 nm         |            |
| Channel Spacing                       | 20 nm           |            |
| Channel Passband (@-0.5 dB Bandwidth) | 13 nm min.      |            |
| Pass Channel Insertion Loss           | 0.60 dB max.    |            |
| Isolation                             | Pass Channel    | 30 dB min. |
|                                       | Reflect Channel | 13 dB min. |
| Reflection Channel Insertion Loss     | 0.40 dB max.    |            |
| Channel Ripple                        | 0.30 dB max.    |            |
| Wavelength Temperature Shifting       | 0.002 nm/°C max |            |
| Polarization Dependent Loss           | 0.10 dB max.    |            |
| Polarization Mode Dispersion          | 0.10 ps max.    |            |
| Return Loss                           | 45 dB min.      |            |
| Power Handling                        | 300 mW max.     |            |
| Directivity                           | 50 dB min.      |            |
| Operating Temperature                 | -20°C to +75 °C |            |
| Storage Temperature                   | -40°C to +85 °C |            |
| Dimension                             | 5.5x5.5x38 mm   |            |

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**