

# 0301 CWDM Filter

W3100-S



## 1X2 CWDM Device, 1270 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.

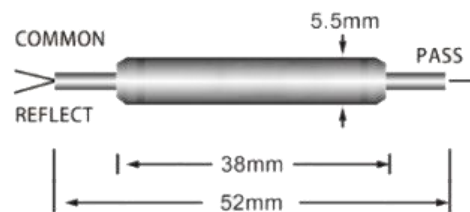
### FEATURES

- 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	1270 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.**