

# 0302 CWDM MUX

**W4102-S**



## 16-Channel CWDM MUX/DEMUX Module, 1270 nm to 1610 nm

This coarse wavelength division multiplexer (CWDM Mux/Demux) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provides low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path.

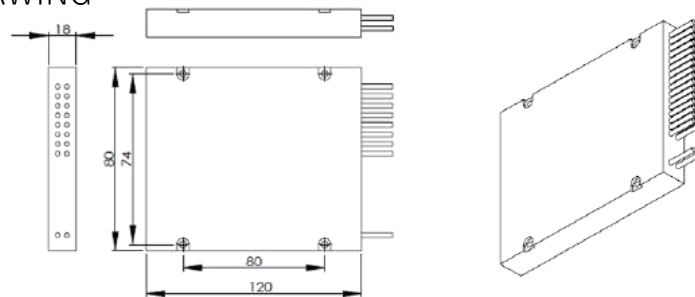
### FEATURES

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

### USE IN

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

### MECHANICAL DRAWING



Unit:mm

Channel Number	16 CH
Center Wavelength	1270 nm to 1610 nm or 1271 nm to 1611 nm
Channel Spacing	20 nm
Optional Wavelength (Please Specify When Placing An Ordering)	1270 nm,1290 nm,1310 nm,1330 nm,1350 nm,1370 nm, 1390 nm,1410 nm,1430 nm,1450 nm,1470 nm,1490 nm, 1510 nm,1530 nm,1550 nm,1570 nm,1590 nm,1610 nm or Specify
Channel Passband@-0.5 dB Bandwidth	13 nm min.
Insertion Loss	Low: 3.5 dB max.; Standard: 4.5 dB max.
Isolation	Adjacent 30 dB min. Non-adjacent 40 dB min.
Insertion Loss Temperature Sensitivity	0.5 dB max.
Wavelength Temperature Shifting	0.002 nm/°C max.
Polarization Dependent Loss	0.20 dB max.
Polarization Mode Dispersion	0.10 ps max.
Return Loss	45 dB min.
Directivity	50 dB min.
Power Handling	300 mW max.
Operating Temperature	-10°C to +70°C
Dimension	ABS Box: 120x80x18 mm, 19" 1U Rackmount is Available

**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.**