

## 0602 CWDM MUX

W4100-S



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

The WDM W4100-S is a compact size 4-channel CWDM MUX/DEMUX module 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
- Compact Size

#### USE IN

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

|                              |                    |              |            |
|------------------------------|--------------------|--------------|------------|
| Channel Number               | 4 CH               |              |            |
| Center Wavelength            | 1270 nm to 1610 nm |              |            |
| Passband                     | ±6.5 nm min.       |              |            |
| Ripple in Passband           | 0.5 dB max.        |              |            |
| Isolation                    | Mux                | Adjacent     | 30 dB min. |
|                              |                    | Non-adjacent | 45 dB min. |
|                              |                    | Upgrade Por  | 15 dB min. |
|                              | Demux              | Upgrade Por  | 30 dB min. |
|                              |                    | Adjacent     | 45 dB min. |
|                              |                    | Non-adjacent | 15 dB min. |
| Insertion Loss (Channels)    | 1.5 dB max.        |              |            |
| Polarization Dependent Loss  | 0.2 dB max.        |              |            |
| Polarization Mode Dispersion | 0.1 ps max.        |              |            |
| Return Loss                  | 50 dB min.         |              |            |
| Directivity                  | 55 dB min.         |              |            |
| Power Handling               | 500 mW max.        |              |            |
| Operating Temperature        | -10°C to +70°C     |              |            |
| Package Dimension            | 53.8x28x8.0 mm     |              |            |