

**PASSIVES DATA SHEET**

# 4 Channel OSP Dual Fiber CWDM Mux/Demux



Champion ONE's CWDM passive networking products for outside-plant applications provide a cost-effective, high-reliability solution to fiber capacity challenges.

## Technical Specifications

**WAVELENGTH INFORMATION**

Operating wavelengths: 1260nm – 1620nm  
 Center wavelengths: 1310nm, 1471nm – 1531nm  
 CWDM channel spacing: 20 nm  
 Passband width: ITU ± 6.5nm

**FORM FACTOR AND CONNECTOR TYPES**

OSP Cassette  
 LC/UPC connector (monitor port)  
 No connector (all other ports)

**DIMENSIONS (LXWXH)**

Body: 70 x 70 x 8 mm

**TEMPERATURE RANGE**

-40° C to 85° C

**WARRANTY**

All feature a limited 5-year warranty

**COMPLIANCES**

RoHS compliant  
 Telcordia GR-1209, GR-1221

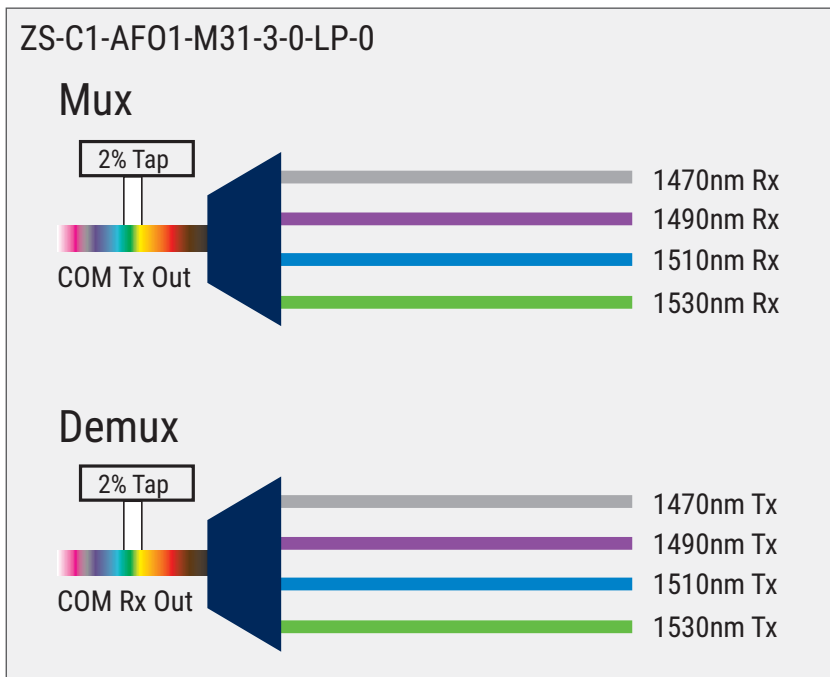
Parameter	Value
Pass Channel Insertion Loss (dB)	≤ 1.2
CWDM Channel Insertion Loss (dB)	≤ 3.0
Tap Port Insertion Loss (mux/demux, dB)	≤ 22.0 / 19.0
Passband Ripple (dB)	≤ 0.5
Adjacent Channel Isolation Between CWDM Channels (dB)	≥ 30
Non-Adjacent Channel Isolation Between CWDM Channels (dB)	≥ 40

Parameter	Value
1310nm Channel Port Isolation (dB)	≥ 30
Polarization Dependent Loss (dB)	≤ 0.2
Directivity (dB)	≥ 50
Return Loss (dB)	≥ 45
Polarization Mode Dispersion (ps)	≤ 0.2
Fiber Type	SMF-28 900µm (MON); color-coded 9 / 125 / 250 µm (all other ports)
Max Power Handling (mW)	300

## Ordering Information

C1 Part Number	Description
ZS-C1-AFO1-M31-3-0-LP-0	4Ch CWDM M/D 1470-1530nm, MON, 1310nm Channel, LC and 900µm on Mon only, Module only

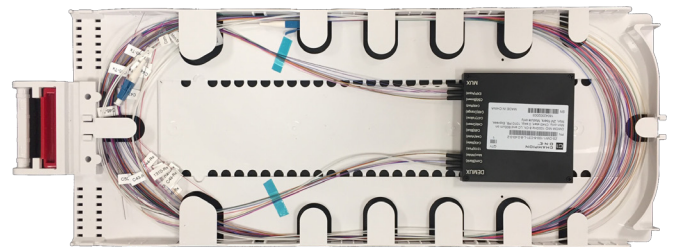
Network Diagram



Tray Integration Options

Module in Tyco "B" Tray

Module in Tyco "D" Tray



C1 Part Number: ZS-C1-AFO1-M31-3-0-LP-TB

C1 Part Number: ZS-C1-AFO1-M31-3-0-LP-TD