

Features:

- OSP 8 Channel Dual Fiber CWDM Mux/Demux with 1310nm Channel
- Operating Wavelengths: 1260nm - 1620nm
- Channel Spacing: 20nm
- Maximum Optical Power: 300mW
- Connector Type - MON Only: LC/UPC
- Reliability: Telcordia GR-1209, GR-1221
- Operating Temperature: -40 to 85°C



- Storage Temperature: -40 to 85°C
- Dimensions: 70mm x 70mm x 8mm



1. Optical Requirements

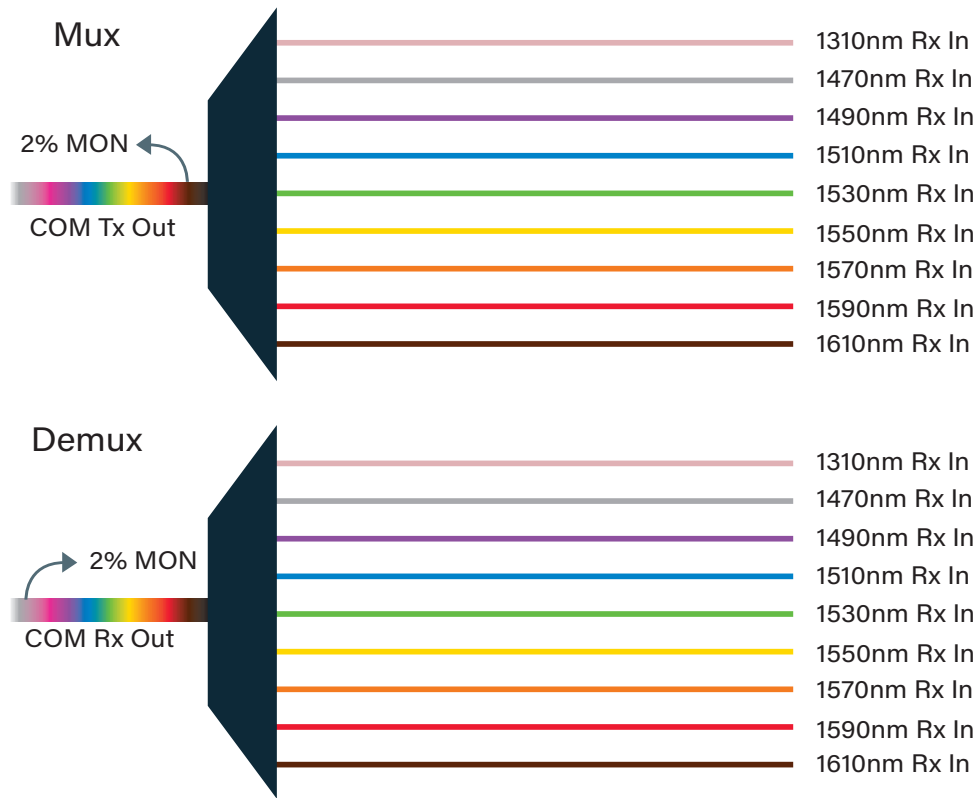
Parameter	Value
Passband, CWDM Channel Ports (Min.)	≥ ITU±6.5nm
Passband Ripple (Max.)	≤ 0.5dB
Isolation, Adjacent Channel - CWDM (Min.)	≥ 30dB
Isolation, Non-Adjacent Channel - CWDM (Min.)	≥ 40dB
Return Loss - All Ports (Min., Including Connectors)	≥ 45dB
Directivity - CWDM Ports (Min.)	≥ 50dB
Polarization Dependent Loss (Max.)	≤ 0.2dB
Polarization Mode Dispersion (Max.)	≤ 0.2ps

2. Insertion Loss

Parameter	Value
1310 Channel (Min.)	≥ 1.5dB
CWDM Channel Insertion Loss	≤ 3.0dB
Rx → COM Tx (Typ., Excl. Connectors)	2.9dB

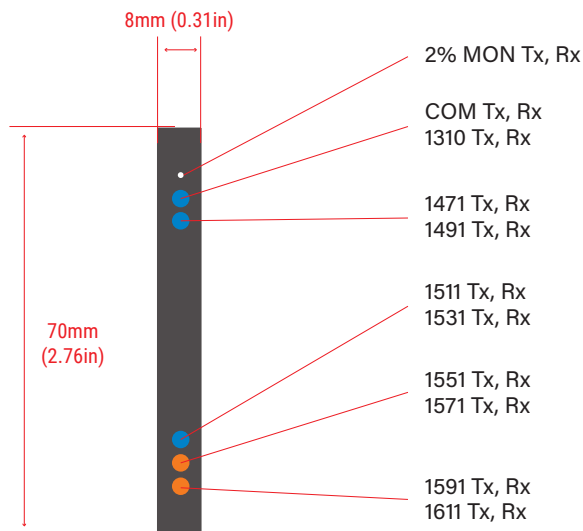
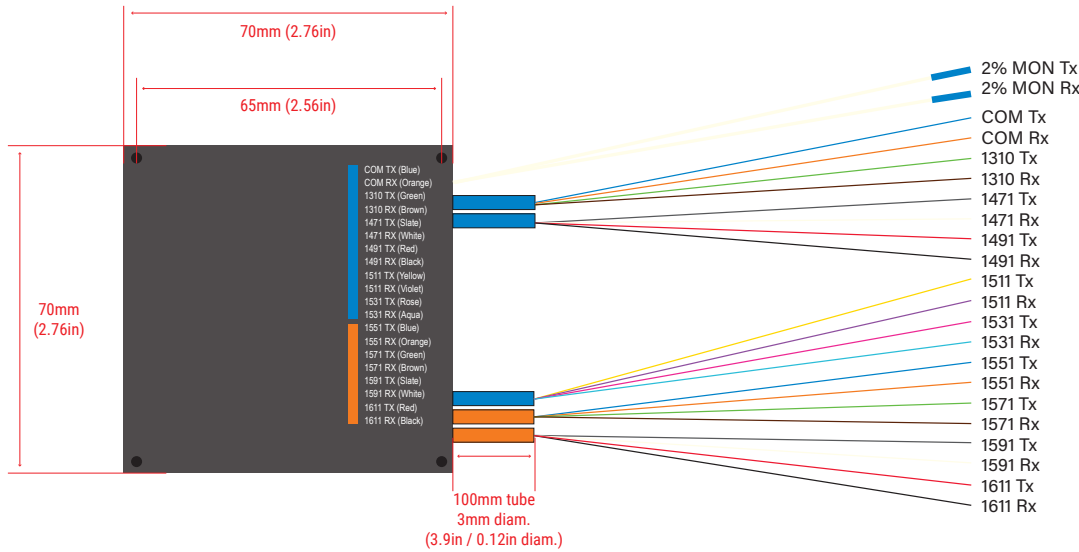
Rx → COM Tx (Max., Excl. Connectors)	≤ 3.2dB
COM Rx (West) → COM Tx (East) (Typ., Excl. Connectors)	2.3dB
COM Rx (West) → COM Tx (East) (Max., Excl. Connectors)	≤ 2.5dB
2% Mon - Mux (Min.)	22.0dB
2% Mon - Demux (Min.)	19.0dB

3. Network Diagram



Channel	Mux		Demux	
	Typ. (dB)	Max. (dB)	Typ. (dB)	Max. (dB)
1310nm	1.3	1.5	1.3	1.5
1470nm	1.6	1.8	3.1	3.3
1490nm	1.9	2.1	2.9	3.1
1510nm	2.1	2.3	2.7	2.9
1530nm	2.3	2.5	2.5	2.7
1550nm	2.5	2.7	2.3	2.5
1570nm	2.7	2.9	2.1	2.3
1590nm	2.9	3.1	1.9	2.1
1610nm	3.1	3.3	1.6	1.8

4. Mechanical Diagram



5. Ordering Information

Part Number	Description
Standard OSP Cassette	
ZS-C1-AFO3-M31-2-3-LP-0	8Ch CWDM M/D 1470-1610nm, MON, 1310nm Channel, LC and 900 on Mon only, Module only
Submersible OSP Cassette	
ZS-C1-AFO3-M31-2-3-LP-0-S	8Ch CWDM M/D 1470-1610nm, MON, 1310nm Channel, LC and 900 on Mon only, 2m fibers, Module only, Submersible
ZS-C1-AFO3-M31-3-1-0-0-0-S	8Ch CWDM M/D 1470-1610nm, MON, 1310 Channel, LC and 900um on Mon only, 3M fibers, Module only, Submersible

6. Contact Information

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