

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

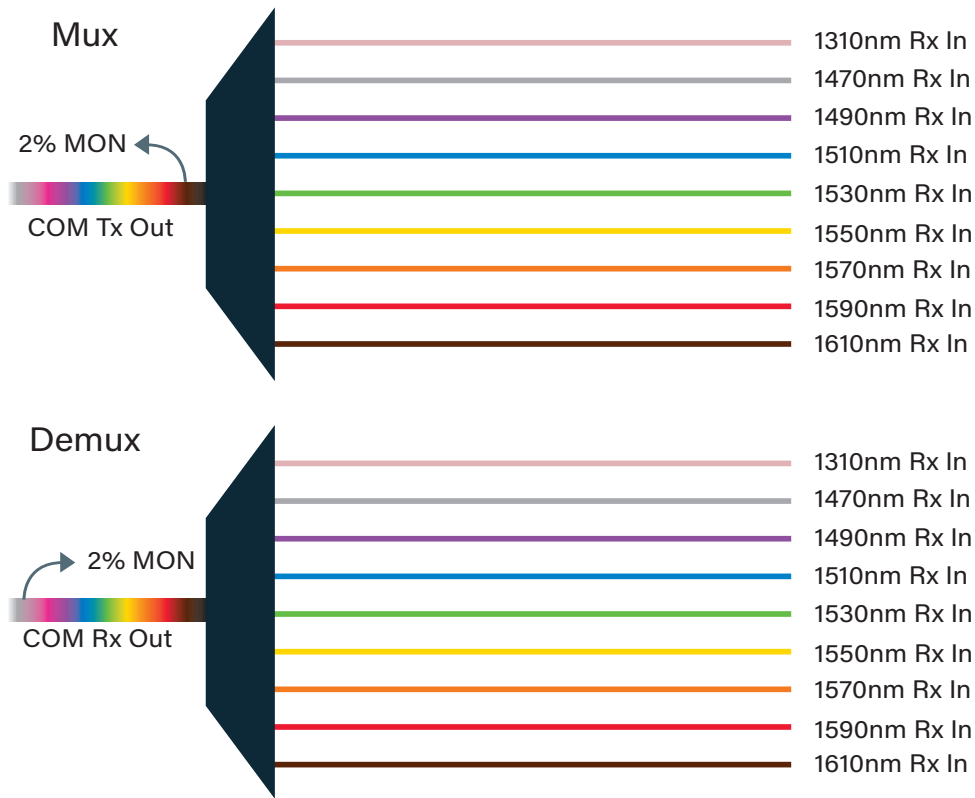
Parameter	Value
Passband, DWDM Channel Ports (Min.)	$\geq \text{ITU} \pm 6.5\text{nm}$
Passband Ripple (Max.)	$\leq 0.5\text{dB}$
Isolation, Adjacent Channel - CWDM (Min.)	$\geq 30\text{dB}$
Isolation, Non-Adjacent Channel - CWDM (Min.)	$\geq 40\text{dB}$
Return Loss - All Ports (Min., Including Connectors)	$\geq 45\text{dB}$
Directivity - CWDM Ports (Min.)	$\geq 50\text{dB}$
Polarization Dependent Loss (Max.)	$\leq 0.2\text{dB}$
Polarization Mode Dispersion (Max.)	$\leq 0.2\text{ps}$

2. Insertion Loss

Parameter	Value
1310 Channel (Min.)	$\geq 1.5\text{dB}$
CWDM Channel Insertion Loss (Min.)	$\geq 3.0\text{dB}$
Rx \rightarrow COM Tx (Typ., Excl. Connectors)	2.9dB

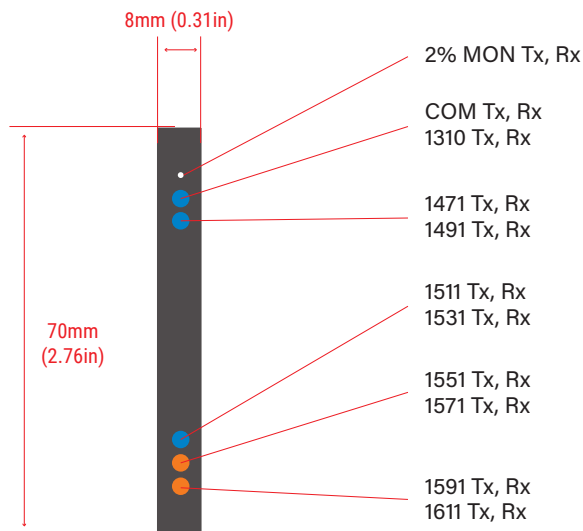
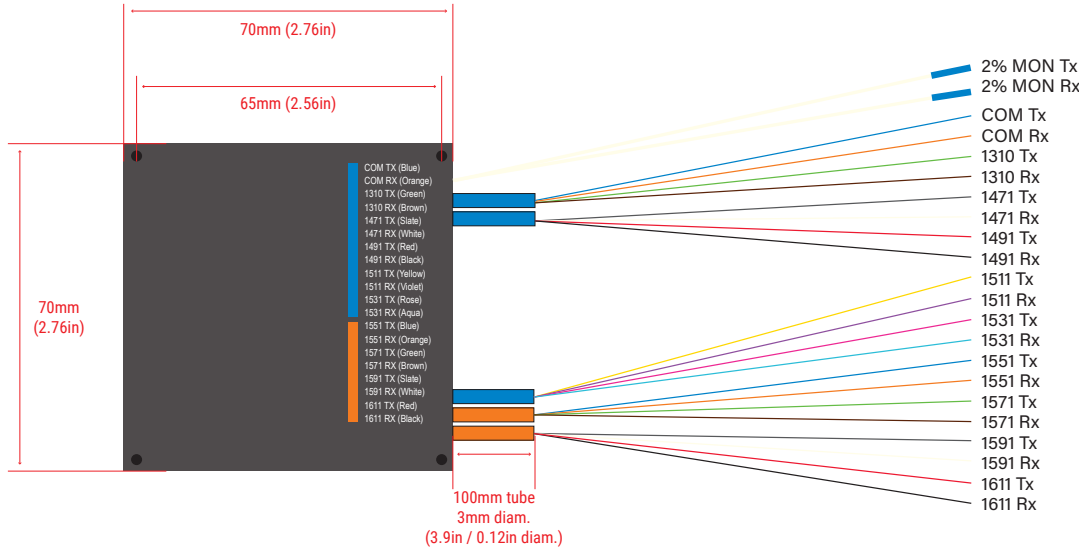
Rx → COM Tx (Max., Excl. Connectors)	≤ 3.2dB
COM Rx (West) → COM Tx (East) (Typ., Excl. Connectors)	2.3dB
COM Rx (West) → COM Tx (East) (Max., Excl. Connectors)	≤ 2.5dB
2% Mon - Mux (Min.)	22.0dB
2% Mon - Demux (Min.)	19.0dB

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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