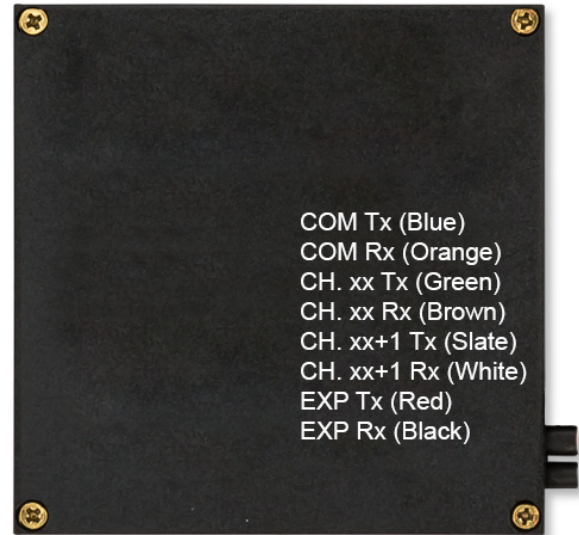
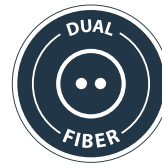


Features:

- OSP Submersible DWDM 2 Fiber, 2 Channel Mux/Demux with Express Port
- Channel Wavelengths: DWDM CH. xx - xx+1
*See Ordering Information in Section 5 for Channel Range per Part
- EXP Ports: 1500 - 1600nm (except CH. xx - xx+1)
- Channel Spacing: 100GHz
- Maximum Optical Power: 300mW
- Connector Type - Mon Ports Only: LC/UPC
- Operating Temperature: -40 to 85°C
- Storage Temperature: -40 to 85°C



- Dimensions: 70mm x 70mm x 8mm
- White, 900um for Mon Port, Colored Fibers for Other Ports



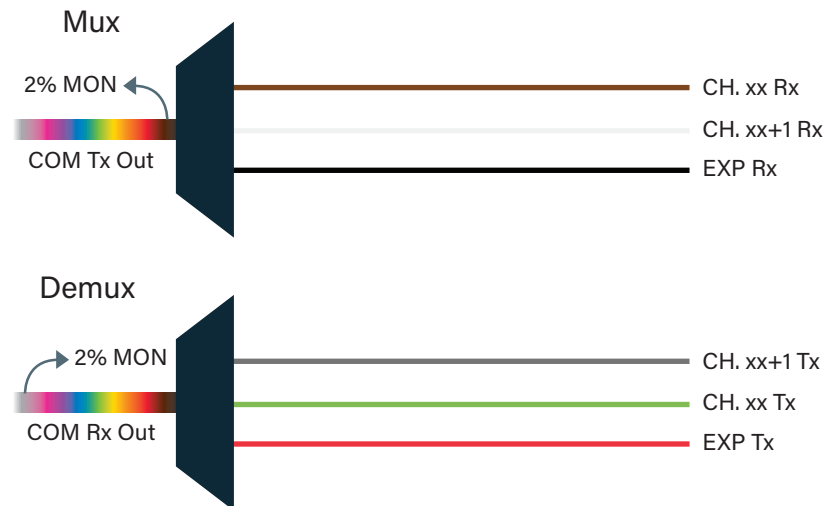
1. Optical Requirements

Parameter	Value
Passband, DWDM Channel Ports (Min.)	≥ ITU±0.1nm
Passband, EXP Port (Min.)	1500nm - 1600nm (Excl. CH. xx - xx+1)
Passband Ripple (Max.)	≤ 0.5dB
Isolation, Adjacent Channel - DWDM (Min.)	≥ 30dB
Isolation, Non-Adjacent Channel - DWDM (Min.)	≥ 40dB
Isolation, EXP Port (Min.)	≥ 12dB
Return Loss - All Ports (Min., Excluding Connectors)	≥ 45dB
Directivity - DWDM Ports (Min.)	≥ 50dB
Polarization Dependent Loss (Max.)	≤ 0.2dB
Polarization Mode Dispersion (Max.)	≤ 0.2ps

2. Insertion Loss

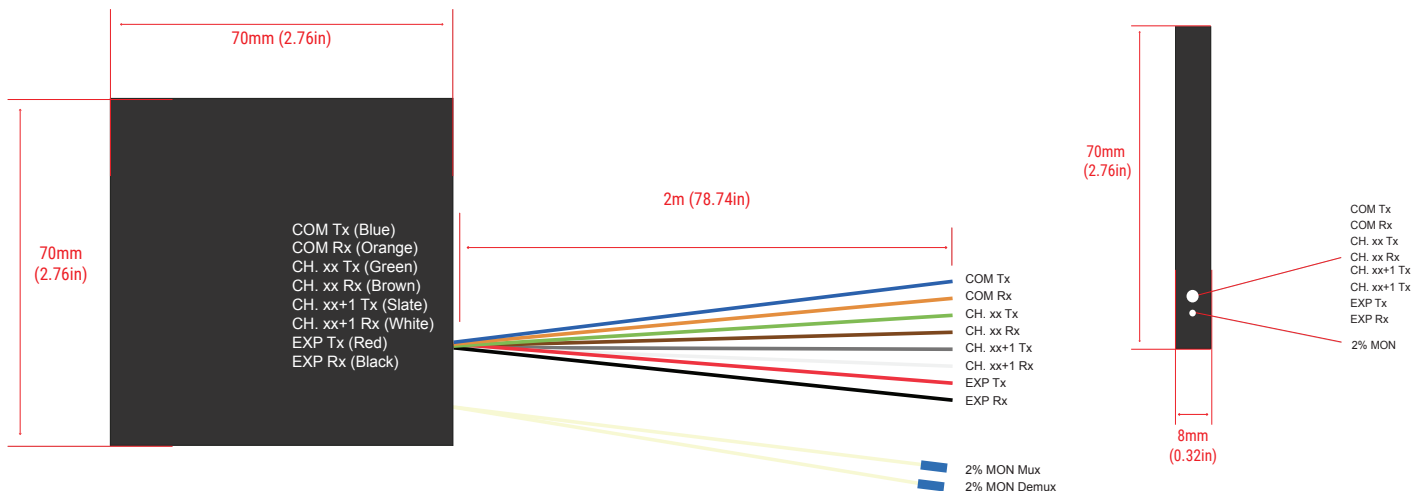
Parameter	Value
DWDM Channel Insertion Loss (Typ., Incl. Connectors)	1.3dB
DWDM Channel Insertion Loss (Max., Incl. Connectors)	≤ 1.5dB
EXP Insertion Loss (Typ., Incl. Connectors)	0.9dB
EXP Insertion Loss (Max., Incl. Connectors)	≤ 1.1dB
MON Port Insertion Loss (Incl. Connectors)	20.5dB Mux/19.0dB Demux

3. Network Diagram



Channel	Typical	Max
CH. xx	1	1.2
CH. xx+1	1.3	1.5
EXP	0.9	1.1

4. Mechanical Diagram



5. Ordering Information

Part Number	Description
ZS-DW1-A12CL-8-1-16-0-2-S	DWDM M/D 100GHz 2 CH., LC and 900um (Mon Only), CH. 16 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-18-0-2-S	DWDM M/D 100GHz 2 CH., LC and 900um (Mon Only), CH. 18 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-20-0-2-S	DWDM M/D 100GHz 2 CH., LC and 900um (Mon Only), CH. 20 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-22-0-2-S	DWDM M/D 100GHz 2 CH., LC and 900um (Mon Only), CH. 22 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-25-0-2-S	DWDM M/D 100GHz 2 CH., LC and 900um (Mon Only), CH. 25 Start, 8+1 Skip, EXP, Mon, 2M Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-27-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.27 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-29-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.29 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-31-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.31 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-34-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.34 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-36-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.36 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-38-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.38 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-40-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.40 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-43-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.43 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-45-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.45 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-47-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.47 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-49-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.49 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-52-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.52 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-54-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.54 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible

ZS-DW1-A12CL-8-1-56-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.56 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible
ZS-DW1-A12CL-8-1-58-0-2-S	DWDM M/D 100GHz 2 CH. LC and 900um (Mon Only), CH.58 Start, 8+1 Skip, EXP, Mon, 2m Fibers, Module Only, Submersible

6. Contact Information

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