

INTELLIPOINT DATA SHEET

8 Channel OSP Dual Fiber DWDM Mux/Demux



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

Technical Specifications

STANDARDS AND REGULATORY COMPLIANCE

Express port: 1470nm–1620nm (excl. DWDM channels)
 DWDM channel wavelengths: ITU ch. 43–50, 52–59, 100GHz spacing
 1310nm channel operating wavelength: 1260–1360nm
 Passband width: ITU ± 0.11nm

FORM FACTOR AND CONNECTOR TYPE

OSP Cassette
 LC/UPC connector (monitor port)
 Bare fiber with 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

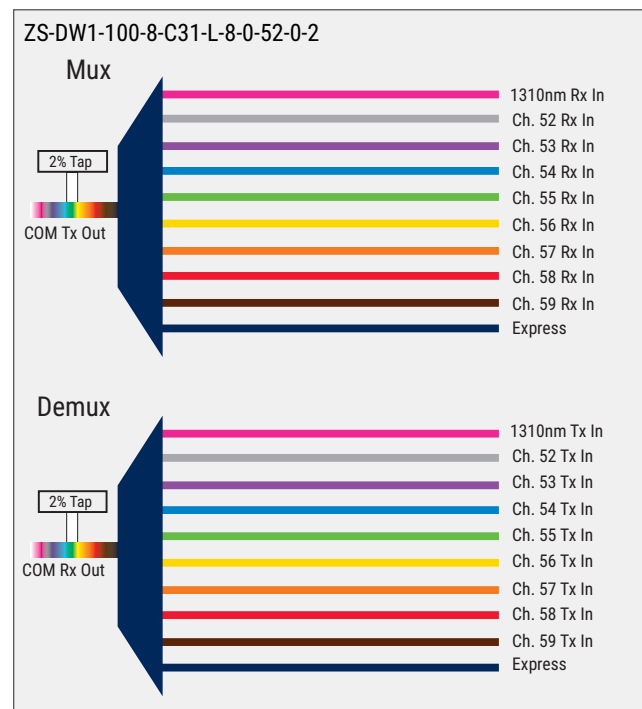
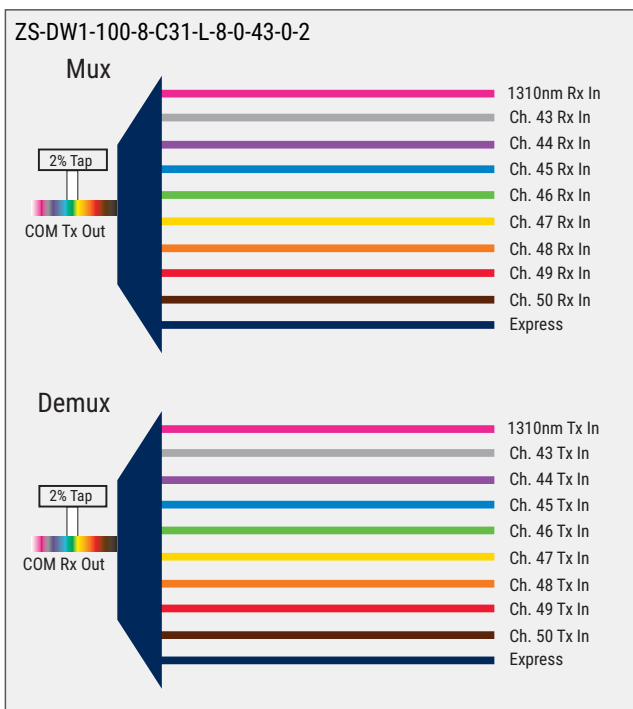
Parameter	Value
1310nm Channel Insertion Loss (dB)	≤ 1.2
CWDM Channel Insertion Loss (dB)	≤ 3.0
Tap Port Insertion Loss (mux/demux, dB)	≤ 22.0 / 19.0
Passband Ripple (dB)	≤ 0.5
Adjacent Channel Isolation between CWDM Channels (dB)	≥ 30
Non-Adjacent Channel Isolation Between CWDM Channels (dB)	≥ 40
1310nm Channel Port Isolation (dB)	≥ 30

Parameter	Value
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-DW1-100-8-C31-L-8-0-43-0-2	DWDM M/D 100GHz 8 Ch, LC and 900um on Mon only, Ch 43 start, 0 skip, 1310 Channel, Express, Mon, 2M fibers, Module only
ZS-DW1-100-8-C31-L-8-0-52-0-2	DWDM M/D 100GHz 8 Ch, LC and 900um on Mon only, Ch 52 start, 0 skip, 1310 Channel, Express, Mon, 2M fibers, Module only

Network Diagram



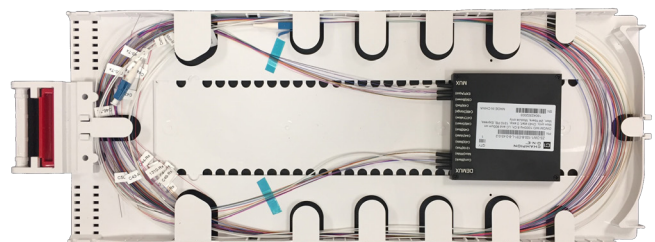
Tray Integration Options

Module in Tyco "B" Tray



C1 Part Number: ZS-DW1-100-8-C31-L-8-0-52-TB-2

Module in Tyco "D" Tray



C1 Part Number: ZS-DW1-100-8-C31-L-8-0-52-TD-2