

PASSIVES DATA SHEET

1 Channel DWDM OADM (ITU ch. 16 – 59)



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

Technical Specifications

WAVELENGTH INFORMATION

DWDM channel wavelengths: ITU ch. 16 to 59
Passband width: ITU \pm 0.11nm

FORM FACTOR AND CONNECTOR TYPES

LGX Module
LC/UPC connector (all ports)

DIMENSIONS (LXWXH)

Body: 100 x 100 x 28.5mm
Faceplate: 130 x 28.5mm

TEMPERATURE RANGE

-40° C to 85° C

WARRANTY

All feature a limited 5-year warranty

COMPLIANCES

RoHS compliant
Telcordia GR-1209, GR-1221

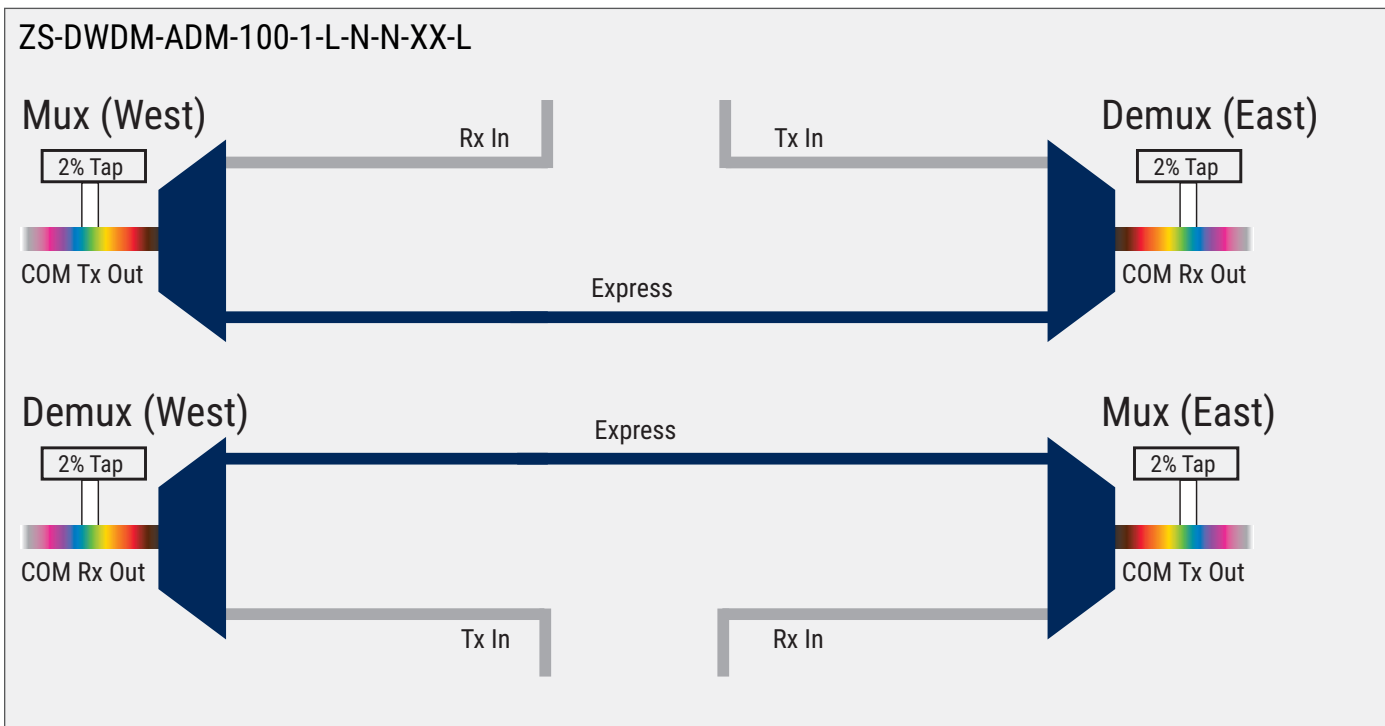
Parameter	Value
DWDM Channel Insertion Loss (dB)	≤ 1.5 (In>Drop) ≤ 1.5 (Add>Out) ≤ 2.2 (In>Out)
Monitor Insertion Loss (East+West Tx/Rx, dB)	≤ 19 / ≤ 20.5
Adjacent Channel Isolation between DWDM Channels (dB)	≥ 30
Non-Adjacent Channel Isolation Between DWDM Channels (dB)	≥ 40

Parameter	Value
Passband Ripple (dB)	≤ 0.5
Polarization Dependent Loss (dB)	≤ 0.2
Directivity (dB)	≥ 50
Return Loss (dB)	≥ 45
Polarization Mode Dispersion (ps)	≤ 0.2
Fiber Type	SMF-28e+ 900 μ m
Max Power Handling (mW)	300

Ordering Information

C1 Part Number	Description
ZS-DWDM-ADM-100-1-L-N-N-XX-L	DWDM M/D 100GHz 1Ch, LC, No Skip, ChXX start, 2% Mon, LGX

Network Diagram



Accessories

For convenient deployment in a standard 19" rack, Champion ONE also offers a 1RU Faceplate with 3 LGX slots (ordered separately from mux).



Parameter	Value
C1 Part Number	LGX1R-FACEPLATE
Dimensions	Fits 19" rack x 1RU (482.6mm x 44mm)