

**PASSIVES DATA SHEET**


# 16 Channel Dual Fiber DWDM Mux/Demux ITU Ch. 21 – 36 with 1310nm Channel

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

## Technical Specifications

**WAVELENGTH INFORMATION**

DWDM channel wavelengths: ITU Ch.21–36, 100GHz spacing  
Tap operating wavelength: 1260–1620nm  
Passband width: ITU ± 0.11nm

**FORM FACTOR AND CONNECTOR TYPES**

LC/UPC connector (all ports)

**DIMENSIONS (LXWXH)**

Body: 250 x 440 x 44 mm  
Faceplate: 482.6 x 44mm

**TEMPERATURE RANGE**

-10° C to 75° C (operating)  
-40° C to 85° C (storage)

**WARRANTY**

All feature a limited 5-year warranty

**COMPLIANCES**

RoHS compliant  
Telcordia GR-1209, GR-1221

Parameter	Value
DWDM Channel Insertion Loss (dB)	≤ 6.3
Tap Port Insertion Loss (mux/demux, dB)	≤ 25.3 / 19.0
Passband Ripple (dB)	≤ 0.5
Adjacent Channel Isolation between DWDM Channels (dB)	≥ 30
Non-Adjacent Channel Isolation Between CWDM Channels (dB)	≥ 40

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

## Ordering Information

C1 Part Number	Description
ZS-DWDM-M/D-100-16-L-8-0-21-R	DWDM, 100GHz 16CH, Ch 21 start, no skips, with 2% Mon, 1310nm channel, 1RU LC

Network Diagram

