

PASSIVES DATA SHEET



2 Channel FWDM Mux/Demux 1310nm, 1550nm

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

Technical Specifications

WAVELENGTH INFORMATION

Operating wavelengths: 1260nm – 1360nm, 1460nm – 1620nm
Center wavelengths: 1310nm, 1550nm

FORM FACTOR AND CONNECTOR TYPES

Single-wide LGX
LC/UPC connectors

DIMENSIONS (LXWXH)

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

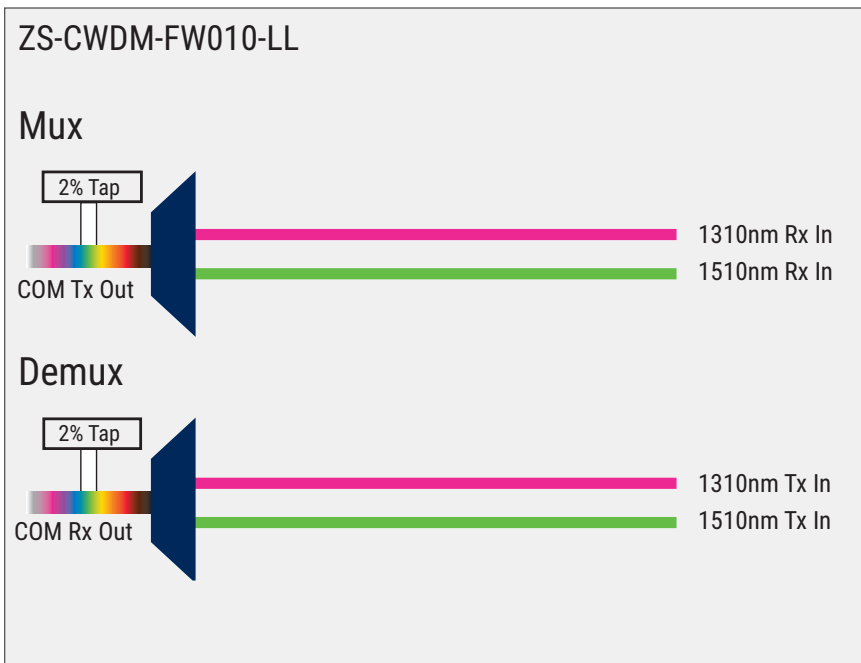
Parameter	Value
1310nm Channel Insertion Loss (dB)	≤ 1.3
Passband Ripple (dB)	≤ 0.5
Adjacent Channel Isolation between CWDM Channels (dB)	≥ 30
Non-Adjacent Channel Isolation Between CWDM Channels (dB)	≥ 40

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

Ordering Information

C1 Part Number	Description
ZS-CWDM-FW010-LL	2 Ch FWDM E/W M/D, 1310nm, 1550nm, LC, (Dual Module) 1W LG

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)