



8 CHANNEL DUAL FIBER DWDM MUX/DEMUX CH. 43 – 50 + EXPRESS

TECHNICAL SPECIFICATIONS

WAVELENGTH INFORMATION

Express port: 1470nm – 1620nm (excl. ch. 43–50)
DWDM channel wavelengths: ITU ch. 43–50, 100GHz spacing
Passband width: ITU ± 0.11nm

FORM FACTOR AND CONNECTOR TYPES

LC/UPC connector (all ports)

DIMENSIONS (LxWxH)

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

TEMPERATURE RANGE

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

WARRANTY

All feature a limited 5-year warranty

COMPLIANCES

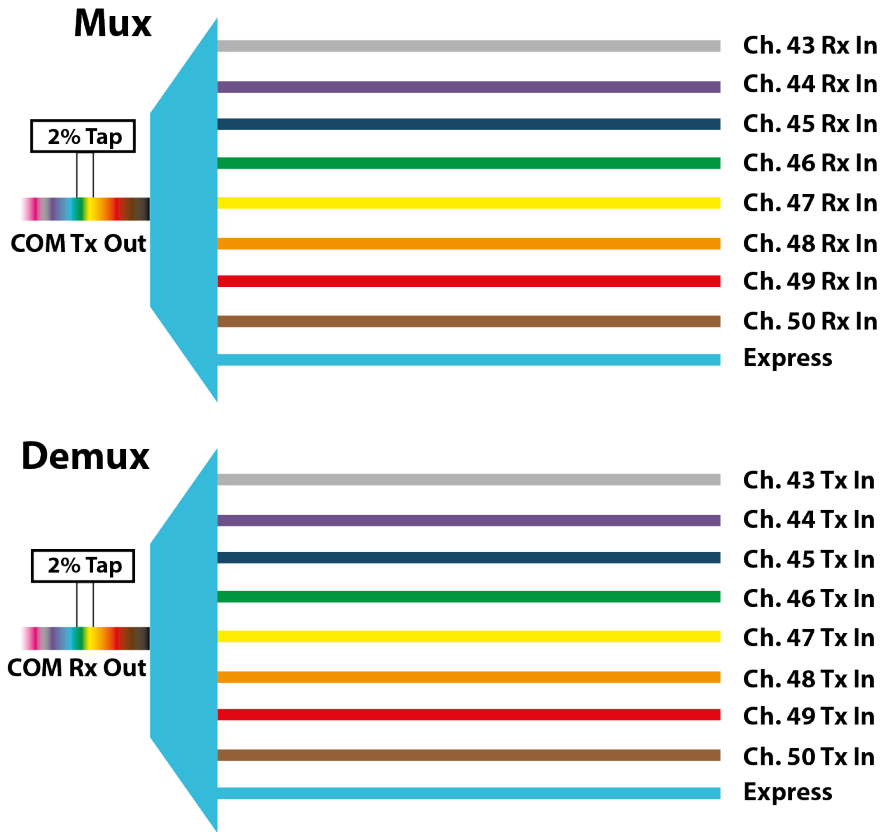
RoHS compliant
Telcordia GR-1209, GR-1221

PART NUMBER: ZS-DWDM-M/D-100-8-L-8-1-43-L
8 CHANNEL DWDM MUX/DEMUX, CH. 43-50, 2% MON AND EXP PORT,
LGX BOX, LC CONNECTOR

Parameter	Value
DWDM Channel Insertion Loss (dB)	≤ 4.4
Express Port Insertion Loss (dB)	≤ 3.9
Tap Port Insertion Loss (mux/demux, dB)	≤ 23.4 / 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
Express Port Isolation (dB)	≥ 12
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

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	FMC-1U3L
Dimensions	Fits 19" rack x 1RU (482.6mm x 44mm)

SERVICE AND SUPPORT

Running a network or selling network services and products can be a highly competitive endeavor. To help differentiate your business and enable you to provide more cost effective infrastructure, you require a partner that provides competitive pricing and vertical market expertise. At Champion ONE we understand your needs. We leverage our skills and relationships to:

- Provide network design services and help you explore alternative network designs you may not have considered
- Provide technical and sales support when you need it
- Accept orders for same day shipment up to 3:00 PM EST
- Offer some of the longest warranties in the industry
- Offer a 30-day return policy
- Build a long-term supplier partnership with you

You can rely on Champion ONE, not only for the highest levels of availability for the products you need, but the technical support, customer service and cost consideration you deserve. Our goal is your complete satisfaction.

THE CHAMPION ONE COMMITMENT



For over 25 years, we at Champion ONE have been delivering great value to our customers through high-quality products at competitive prices. As one of the leading OEMs of compatible optical transceivers and a major supplier of optical networking solutions, we take great pride in building long-term relationships as a trusted partner. In this spirit, everything we bring to market bears the Champion ONE Shield™, which strengthens this trust through five core promises: Performance, Availability, Compatibility, Protection, and Value.

GLOBAL HEADQUARTERS

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