



## 8 CHANNEL DUAL FIBER DWDM MUX/ DEMUX CH. 52-59 + EXPRESS, 13 10NM PASSBAND

### TECHNICAL SPECIFICATIONS

#### WAVELENGTH INFORMATION

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

#### FORM FACTOR AND CONNECTOR TYPES

LC/UPC connector (monitor port)  
 No connector (all other ports)

#### DIMENSIONS (LxWxH)

Body: 70 x 70 x 8 mm

#### TEMPERATURE RANGE

-40° C to 85° C (storage and operating)

#### WARRANTY

All feature a limited 5-year warranty

#### COMPLIANCES

RoHS compliant

#### RELIABILITY

Telcordia GR-1209, GR-1221

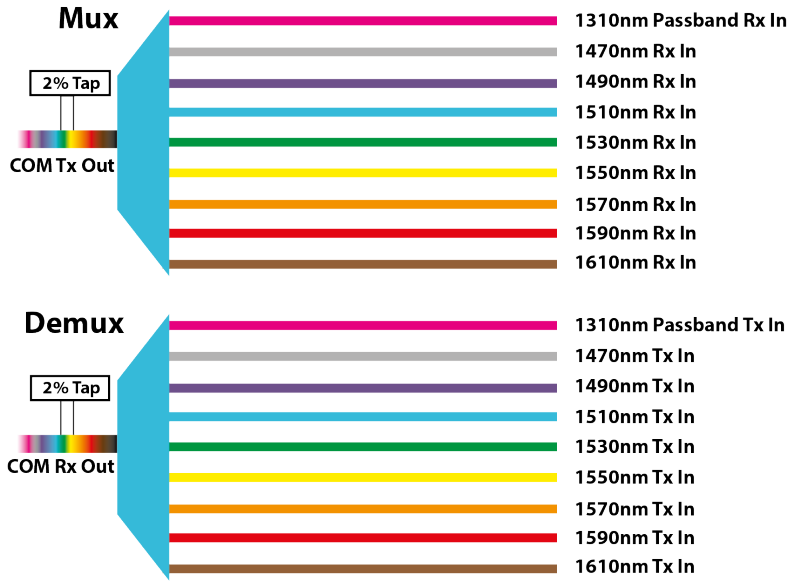
**PART NUMBER: ZS-DW1-100-8-C31-L-8-0-52-0-2**

**DWDM M/D 100GHZ 8 CH, LC AND 900UM ON MON ONLY, CH 52 START, 0 SKIP, 13 10 PB, EXPRESS, MON, 2M FIBERS, MODULE ONLY**

Parameter	Value
Pass 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

Parameter	Value
1310nm Passband Port Isolation (dB)	≥ 30
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

## NETWORK DIAGRAM

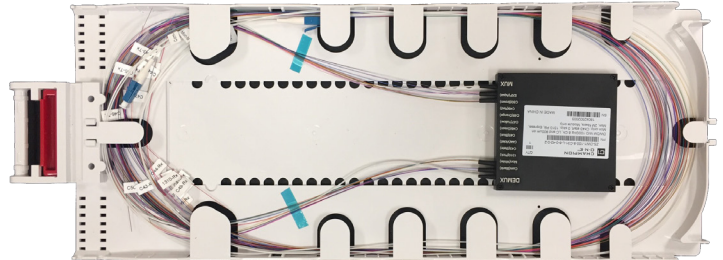


## TRAY INTEGRATION OPTIONS

Module in Tyco "B" Tray



Module in Tyco "D" Tray



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

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

## 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 twenty 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

Champion ONE  
 23645 Mercantile Road  
 Beachwood, OH 44122  
 Phone: 800-860-7466  
 Fax: 216-831-2541  
 e-mail: [sales@championone.com](mailto:sales@championone.com)  
[www.championone.com](http://www.championone.com)

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