



## 16 CHANNEL DUAL FIBER DWDM MUX/DEMUX ITU CH. 20 - 35 + 1310NM PASSBAND

### TECHNICAL SPECIFICATIONS

#### WAVELENGTH INFORMATION

DWDM channel wavelengths: ITU Ch.20-35, 100GHz spacing  
 Tap operating wavelength: 1260-1620nm  
 Passband width: ITU  $\pm$  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

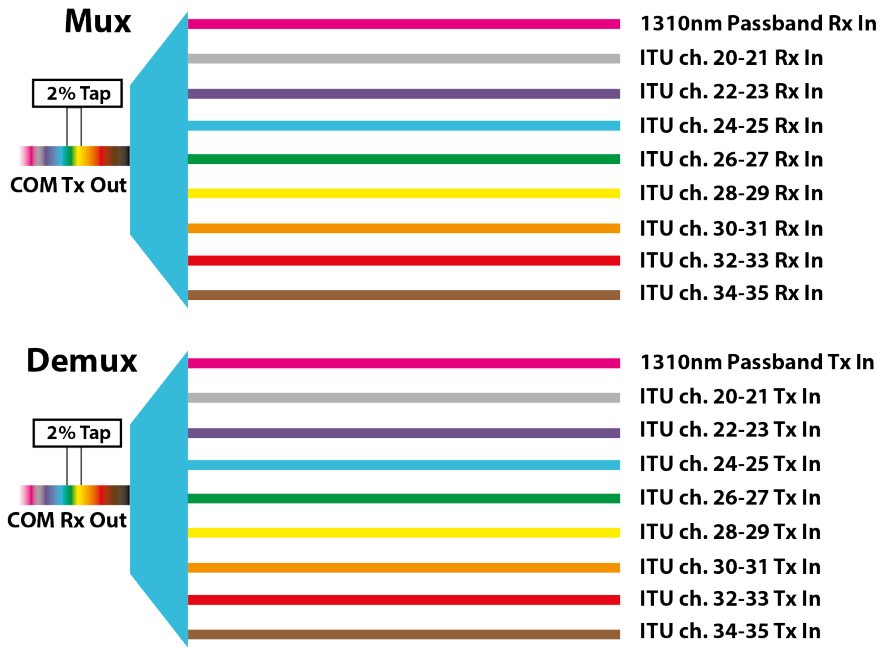
RoHS compliant  
 Telcordia GR-1209, GR-1221

**PART NUMBER: ZS-DWDM-M/D-100-16-L-8-0-20-R**  
**DWDM 100GHZ 16CH, CH 20 START, NO SKIPS,**  
**WITH 2% MON, 1310PB, 1RU LC**

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

Parameter	Value
Polarization Dependent Loss (dB)	$\leq$ 0.2
Directivity (dB)	$\geq$ 50
Return Loss (dB)	$\geq$ 45
Polarization Mode Dispersion (ps)	$\leq$ 0.2
Fiber Type	SMF-28e+ 900 $\mu$ m
Max Power Handling (mW)	300

## NETWORK DIAGRAM



## 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

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