

**PASSIVES DATA SHEET**


# 16 Channel / 8 Service Single Fiber DWDM Mux (I-Temp)

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 wavelengths: ITU ch. 21-36 (100GHz spacing)  
Passband width: ITU  $\pm$  0.11nm

**FORM FACTOR AND CONNECTOR TYPES**

Single-wide LGX  
LC/UPC connectors

**DIMENSIONS (LXWXH)**

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

**TEMPERATURE RANGE**

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

**WARRANTY**

All feature a limited 5-year warranty

**COMPLIANCES**

RoHS compliant  
Telcordia GR-1209, GR-1221

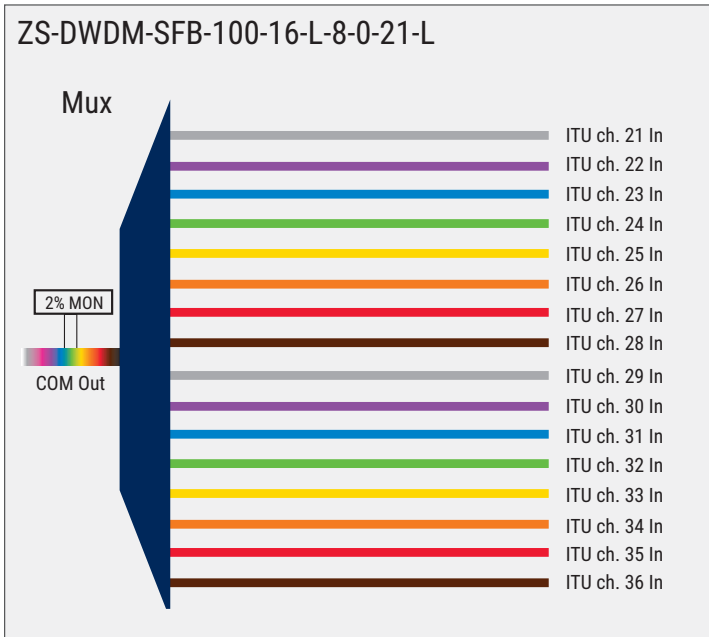
Parameter	Value
DWDM Channel Insertion Loss (dB)	$\leq$ 5.5
MON Port Insertion Loss (dB)	$\leq$ 24.5
Express Port Insertion Loss (dB)	$\leq$ 5.0
Express Port Isolation (dB)	$\geq$ 12
Adjacent Channel Isolation between DWDM Channels (dB)	$\geq$ 30
Non-Adjacent Channel Isolation Between DWDM Channels (dB)	$\geq$ 40
Passband Ripple (dB)	$\leq$ 0.5

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
Filter Type	TFF
Max Power Handling (mW)	300

## Ordering Information

C1 Part Number	Description
ZS-DWDM-SFB-100-16-L-8-0-21-L-H	DWDM SF Mux 100GHz 16Ch / 8Svc LC, No Skips, Ch 21 start, Monitor, Exp, LGX, I-temp

## Network Diagram



## Mounting Options



14-Slot 3RU Chassis  
C1 Part Number: **ZS-LGX3R-14S-CHASSIS-1923**



3-Slot 1RU Chassis  
C1 Part Number: **ZS-LGX1R-3S-CHASSIS-1923**



3-Slot 1RU Faceplate  
C1 Part Number: **LGX1R-FACEPLATE**



2-Slot Magnetic "C" Bracket  
C1 Part Number: **LGX-2U2L**