

PASSIVES DATA SHEET


16 Channel / 8 Service Single Fiber DWDM Mux

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

-5° C to 65° C (operating)
-40° C to 85° C (storage)

WARRANTY

All feature a limited 5-year warranty

COMPLIANCES

RoHS compliant
Telcordia GR-1209, GR-1221

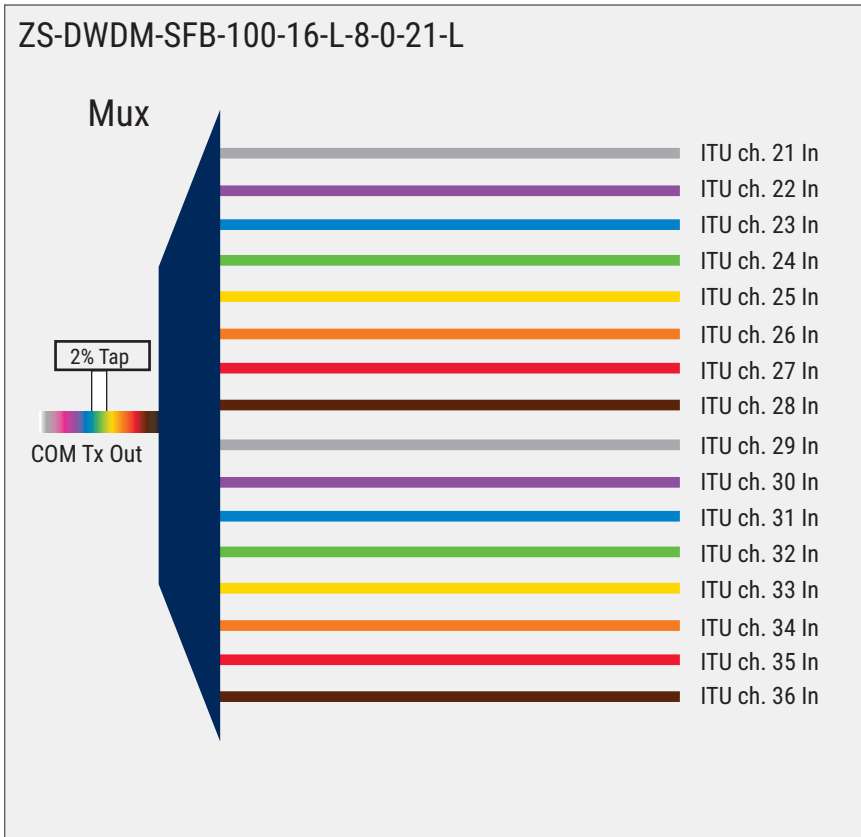
Parameter	Value
DWDM Channel Insertion Loss (dB)	\leq 5.5
Mon Port Insertion Loss (dB)	\leq 24.5
Express Port Insertion Loss (dB)	\leq 5.0
Express Port Isolation (dB)	\geq 12
Adjacent Channel Isolation between DWDM Channels (dB)	\geq 30
Non-Adjacent Channel Isolation Between DWDM Channels (dB)	\geq 40
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 μ 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	DWDM SF M/D 100GHz 16Ch / 8Svc LC, No Skips, Ch 21 start, Monitor, Exp, LGX

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)