

PASSIVES DATA SHEET


48 Channel / 24 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. 16-63 (100GHz spacing)
 Passband width: ITU ± 0.1nm
 2% MON wavelength range: 1260–1620nm

FORM FACTOR AND CONNECTOR TYPES

1RU enclosure
 LC/UPC connectors

DIMENSIONS (LXWXH)

Body: 250 x 440 x 44 mm
 Faceplate: 482.6 x 44mm

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
Filter Type	AAWG
DWDM Channel Insertion Loss (dB)	≤ 6.5
Mon Port Insertion Loss (mux/demux, dB)	≤ 25.5 / ≤ 19.0
Adjacent Channel Isolation between CWDM Channels (dB)	≥ 25
Non-Adjacent Channel Isolation Between CWDM Channels (dB)	≥ 30
Total Channel Isolation (dB)	≥ 24

Parameter	Value
Polarization Dependent Loss (dB)	≤ 0.2
Directivity (dB)	≥ 40
Return Loss (dB)	≥ 40
Polarization Mode Dispersion (ps)	≤ 0.2
Fiber Type	SMF-28e+ 900 μm
Max Power Handling (mW)	300

Ordering Information

C1 Part Number	Description
ZS-DWDM-SFB-100-48-L-N-0-16-R	DWDM SF M/D 100GHz 48Ch / 24Svc LC, No Skips, Ch 16 start, Monitor, Rack Mount

Network Diagram

ZS-DWDM-SFB-100-48-L-N-0-16-R

