

PASSIVES DATA SHEET


40 Channel Dual Fiber DWDM Mux/ Demux ITU Ch. 20 – 59 + 1310nm Channel

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 channel wavelengths: ITU Ch.20–59, 100GHz spacing
MON 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

Parameter	Value
DWDM Channel Insertion Loss (dB)	\leq 6.3
MON 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 DWDM 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 μ m
Max Power Handling (mW)	300

Ordering Information

C1 Part Number	Description
ZS-DWDM-M/D-100-40-L-8-0-20-R	DWDM M/D 100GHz 40 Chl, LC, 8 skip 0, Ch 20 start, 2% Mon, 1310PB, 1RU

Network Diagram

