

PASSIVES DATA SHEET


40 Channel Dual Fiber Gaussian DWDM Mux/Demux Ch. 16–23, 25–32, 34–41, 43–50, 52–59 + OTDR

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. 16–23, 25–32, 34–41, 43–50, 52–59, 100GHz spacing
 DWDM channel width: ITU ± 0.1nm
 MON operating wavelength: 1260–1620nm
 OTDR center wavelength: 1625nm
 OTDR passband width: 1600–1670nm

FORM FACTOR AND CONNECTOR TYPES

1RU enclosure
 LC/UPC connector (all ports)

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
DWDM Channel Insertion Loss (dB)	4.3 (max) 3.3 (typ)
OTDR Insertion Loss (dB)	1.0 (max) 0.8 (typ)
MON Port Insertion Loss (mux/demux, dB)	≤ 23.3 / 19.0
Passband Ripple (dB)	≤ 2.0
Adjacent Channel Isolation between DWDM Channels (dB)	≥ 25
Non-Adjacent Channel Isolation Between DWDM Channels (dB)	≥ 30
Total Isolation (dB)	≥ 21

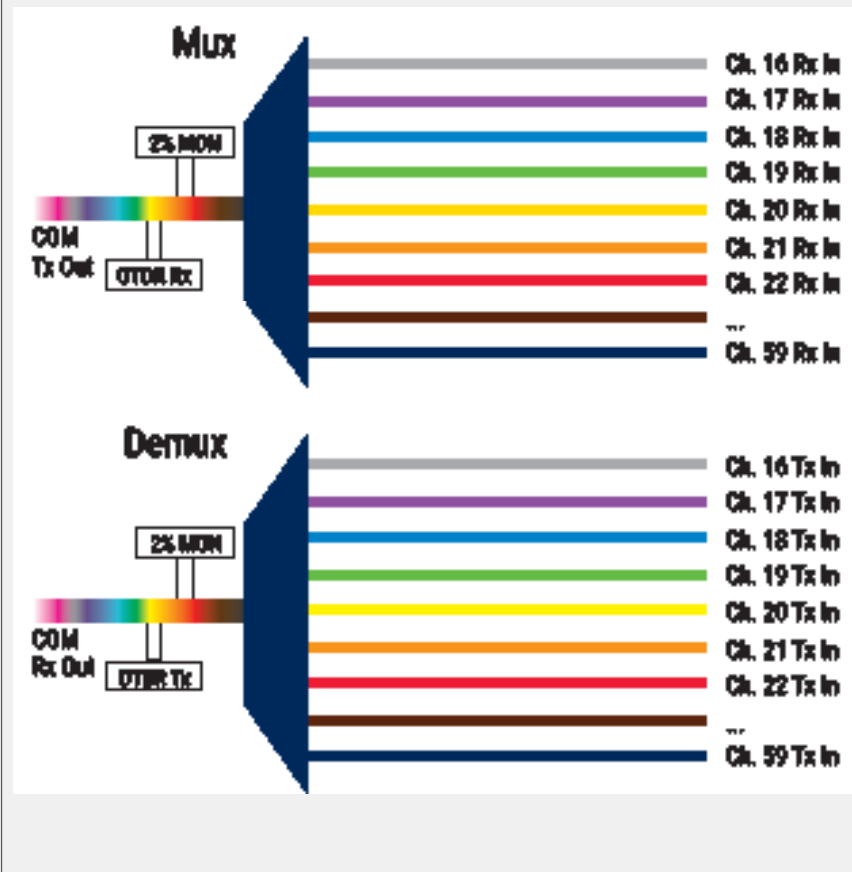
Parameter	Value
OTDR Isolation (dB)	≥ 30
Polarization Dependent Loss (dB)	≤ 0.7
Directivity (dB)	≥ 40
Return Loss (dB)	≥ 40
Polarization Mode Dispersion (ps)	≤ 0.5
Fiber Type	SMF-28
Filter Type	Gaussian AWG
Max Power Handling (mW)	250

Ordering Information

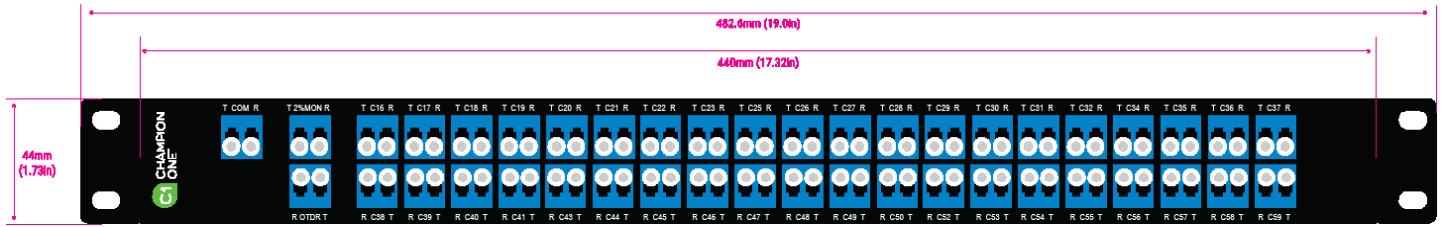
C1 Part Number	Description
ZS-DWDM-MDGO-100-40-L-8-1-16-R	DWDM 100GHz spacing, Mux/Demux Pair (Dual Fiber), Gaussian GAWG, 40 Channel, L (LC/UPC), Channel 16 Start, Single module, Rack Mount (1RU 19"), OTDR, 8-skip-1, MON 2% M/D

Network Diagram

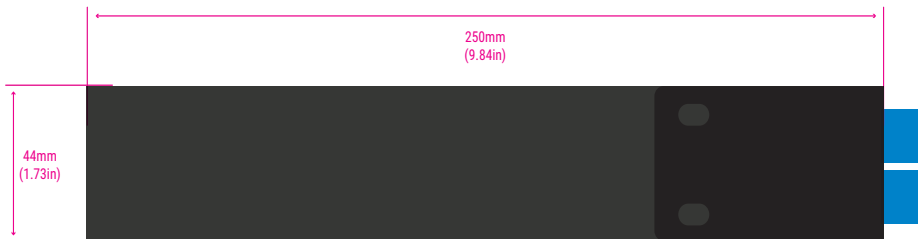
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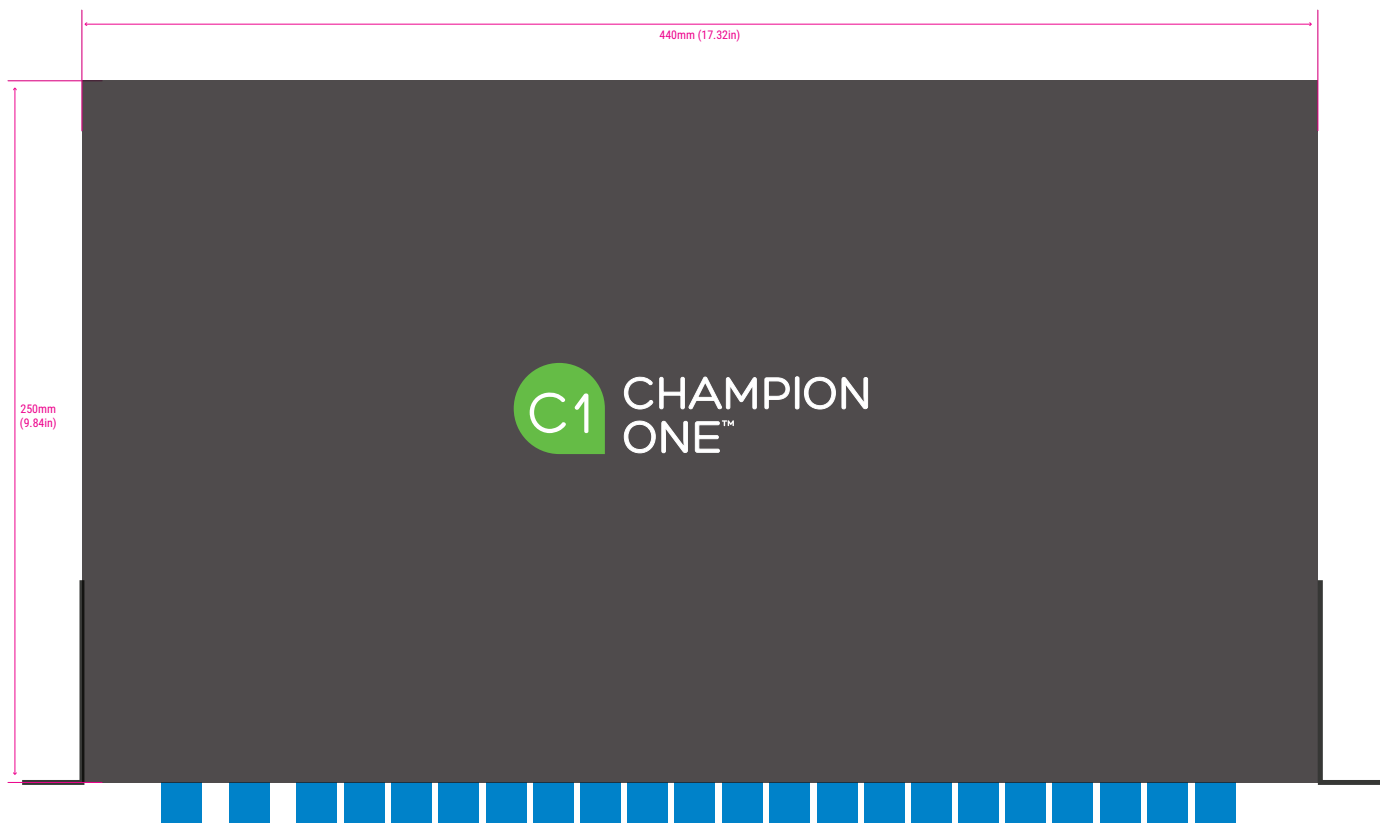
Physical Diagrams



Front View



Side View



Top View