

PASSIVES DATA SHEET


40 Channel Dual Fiber DWDM Mux/ Demux Ch. 16–23, 25–32, 34–41, 43–50, 52–59 [GAWG]

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
MON operating wavelength: 1260–1620nm
Passband width: ITU \pm 0.1nm

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

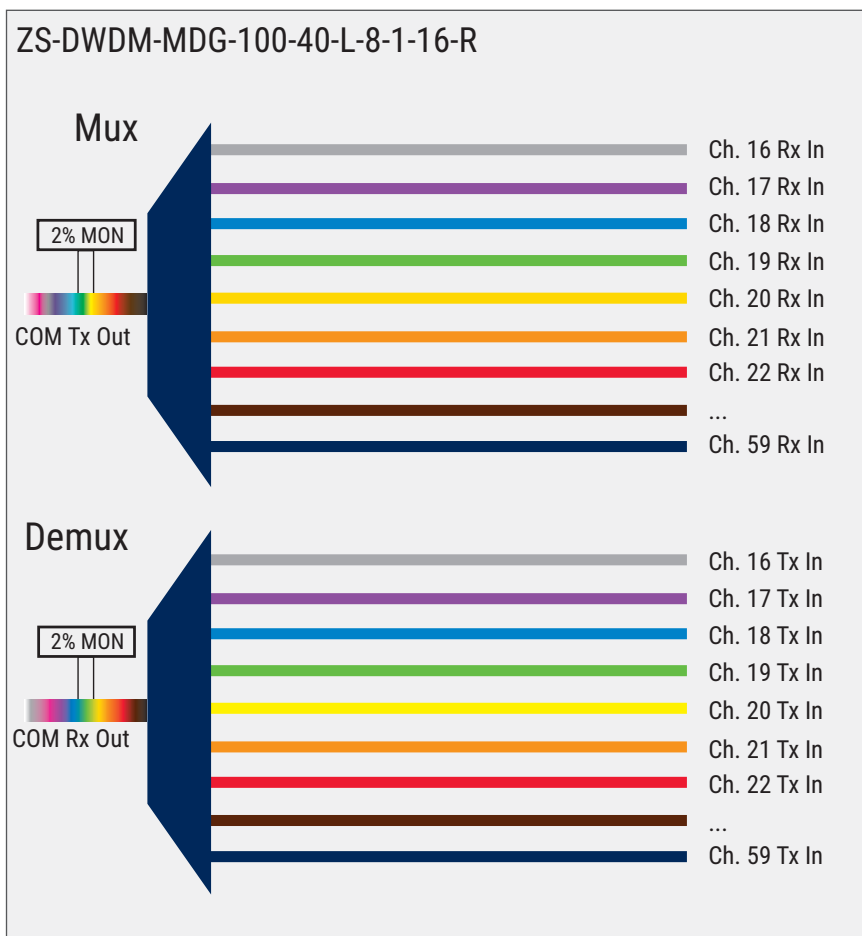
Parameter	Value
DWDM Channel Insertion Loss (dB)	4.0 (max) 3.0 (typ)
MON Port Insertion Loss (mux/demux, dB)	\leq 23.0 / 19.0
Passband Ripple (dB)	\leq 0.5
Adjacent Channel Isolation between DWDM Channels (dB)	\geq 25
Non-Adjacent Channel Isolation Between DWDM Channels (dB)	\geq 30
Total Isolation (dB)	\geq 21

Parameter	Value
Polarization Dependent Loss (dB)	\leq 0.7
Directivity (dB)	\geq 40
Return Loss (dB)	\geq 40
Polarization Mode Dispersion (ps)	\leq 0.5
Fiber Type	SMF-28
Filter Type	Gaussian AWG
Max Power Handling (mW)	250

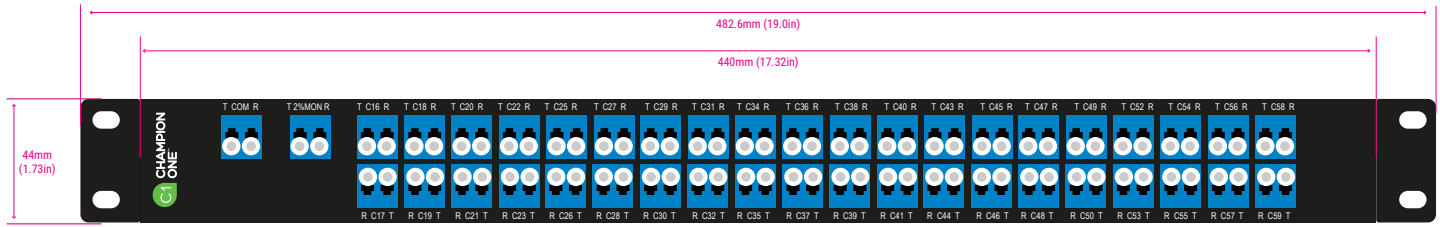
Ordering Information

C1 Part Number	Description
ZS-DWDM-MDG-100-40-L-8-1-16-R	DWDM M/D GAWG 100GHz 40 Ch, LC, 8 skip 1, Ch 16 start, 2% Mon, 1RU

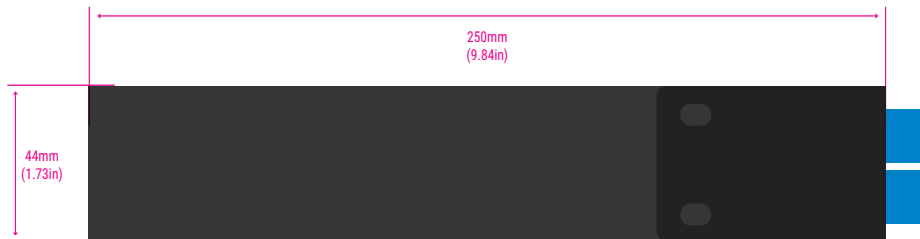
Network Diagram



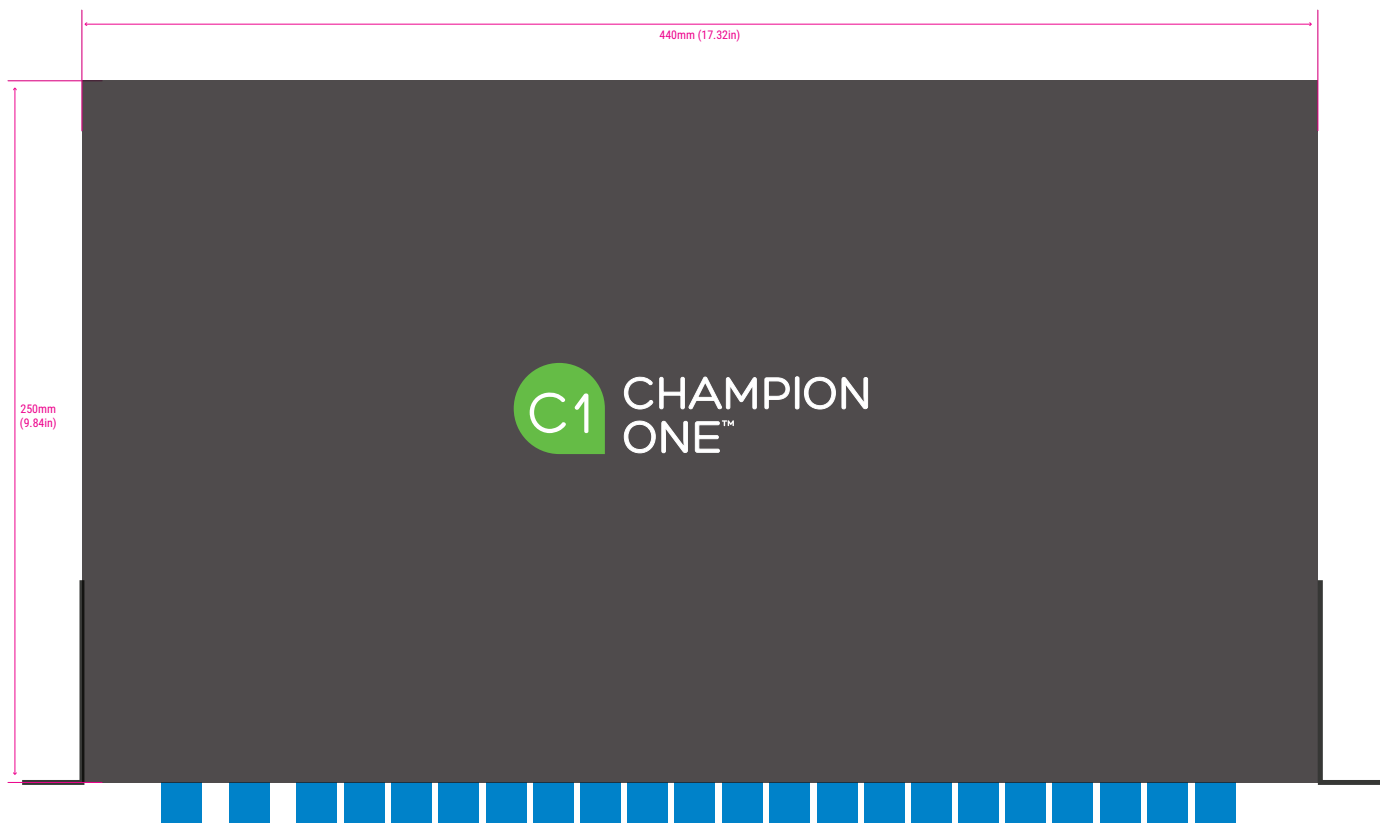
Physical Diagrams



Front View



Side View



Top View