

PASSIVES DATA SHEET


40 Channel Dual Fiber Gaussian DWDM Mux/Demux ITU CH. 20 – 59

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
 DWDM channel width: ITU \pm 0.11nm
 MON operating wavelength: 1260–1620nm

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

-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

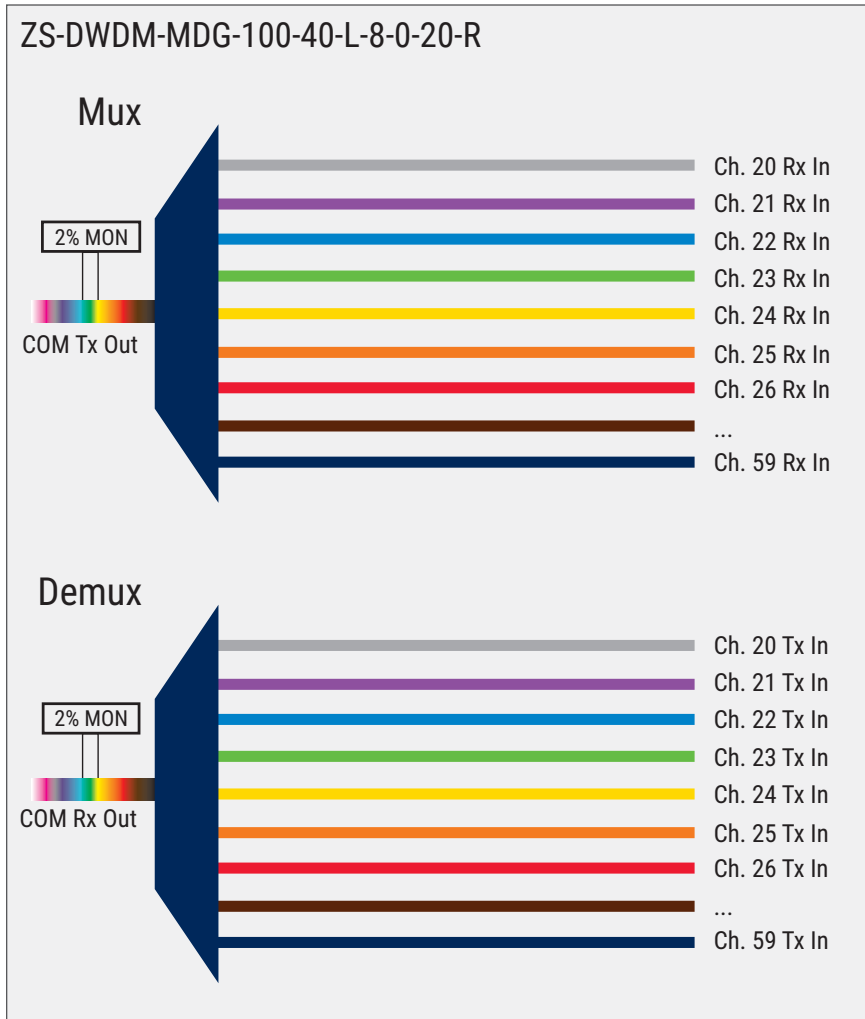
Parameter	Value
DWDM Channel Insertion Loss (dB)	4.0 (Max) 3.5 (Typ)
MON Port Insertion Loss (mux/demux, dB)	\leq 23.0 / 19.0
Passband Ripple (dB)	\leq 0.5
Adjacent Channel Isolation between DWDM Channels (dB)	\geq 25
Non-Adjacent Channel Isolation Between DWDM Channels (dB)	\geq 30

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-28e+ 900 μ m
Max Power Handling (mW)	250

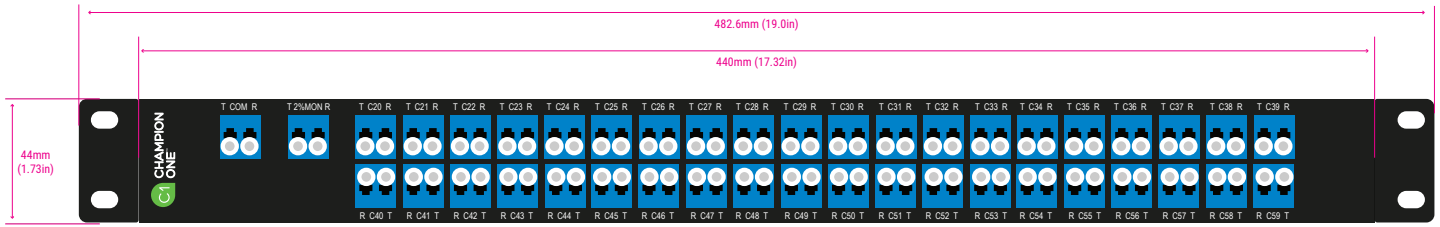
Ordering Information

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

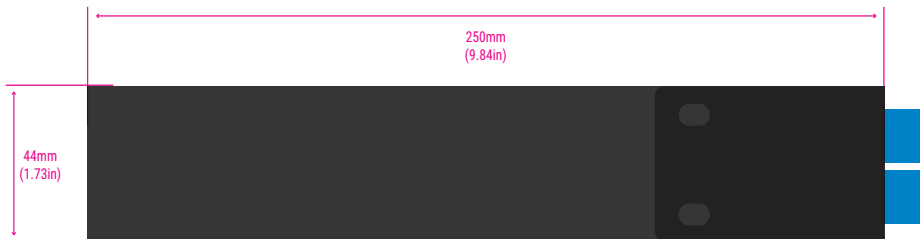
Network Diagram



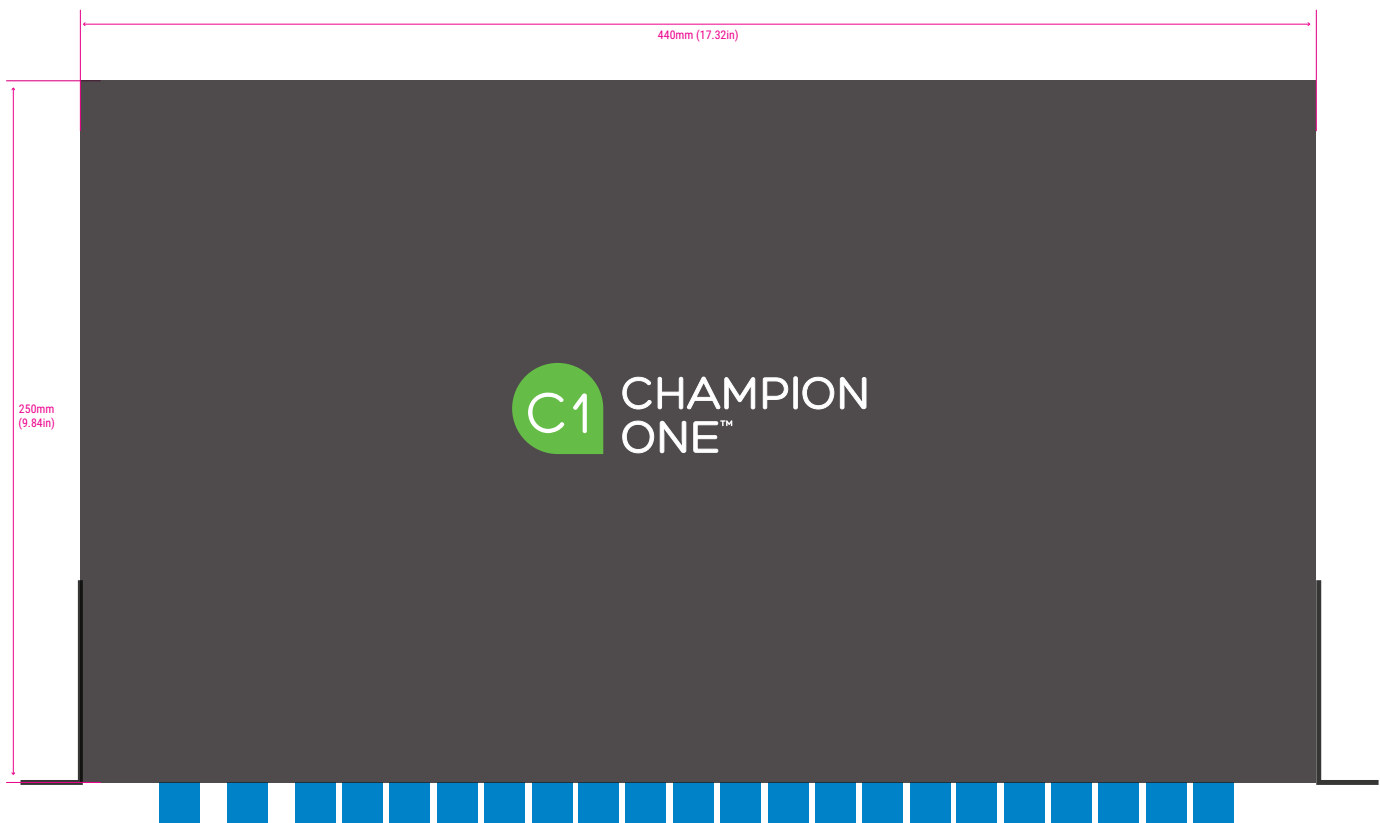
Physical Diagrams



Front View



Side View



Top View