

PASSIVES DATA SHEET

8 Channel / 4 Service Single Fiber DWDM Mux for 8-Skip-0 Channel Plan



Champion ONE's DWDM passive networking products for outside plant applications provide a cost-effective, high-reliability solution to fiber capacity challenges.

Technical Specifications

WAVELENGTH INFORMATION

DWDM channel wavelengths: ITU Ch. 21–28, 29–36, 37–44, 45–52, 53–60 (100GHz spacing)
Channel width: ITU \pm 0.11 nm

FORM FACTOR AND CONNECTOR TYPES

OSP cassette
LC/UPC connector (MON only)

DIMENSIONS (LXWXH)

Body: 70 x 70 x 8 mm
1m fiber pigtails

TEMPERATURE RANGE

-40° C to 85° C (operating and storage)

WARRANTY

All feature a limited 5-year warranty

COMPLIANCES

RoHS compliant
Telcordia GR-1209, GR-1221

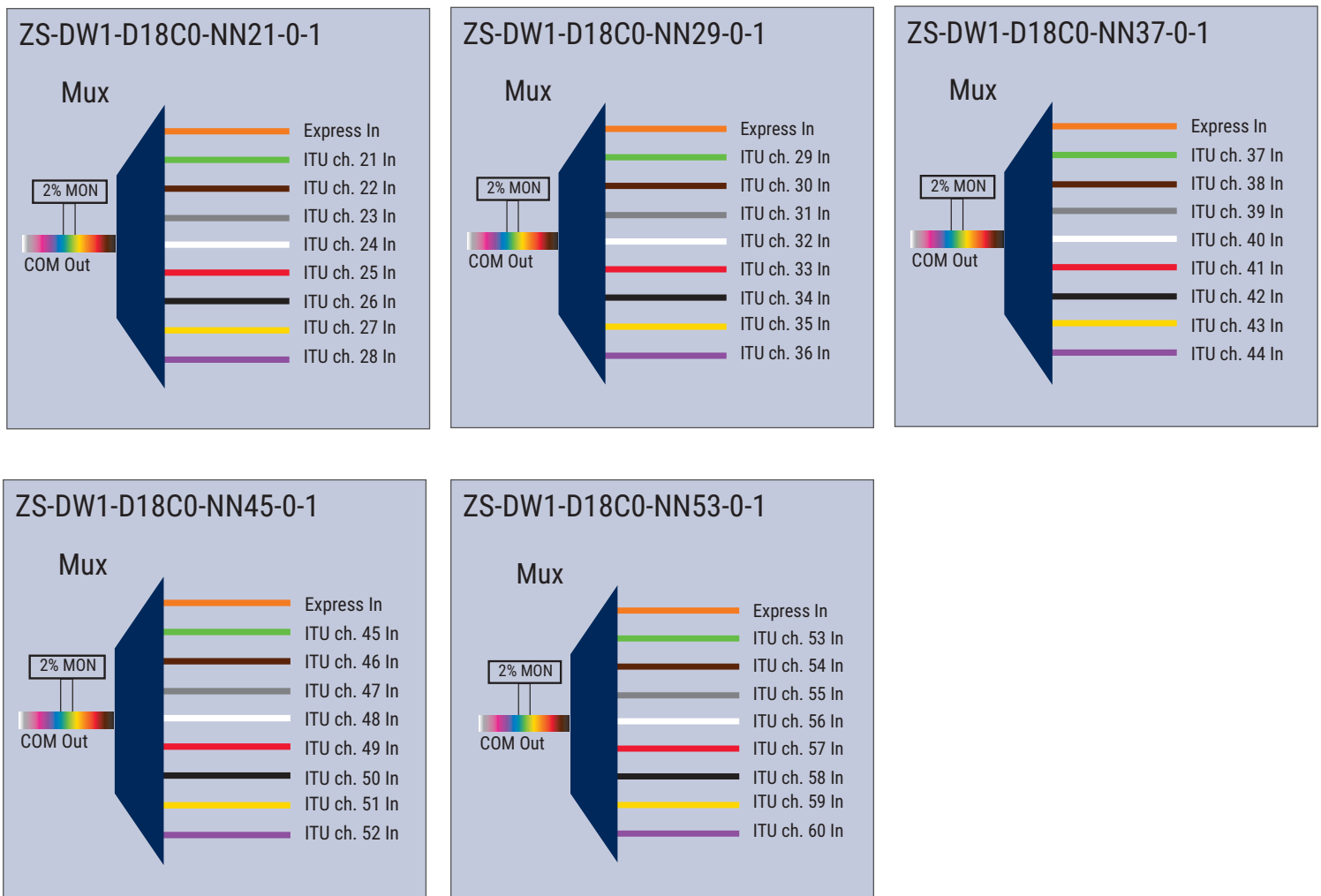
Parameter	Value
DWDM Channel Insertion Loss (dB)	\leq 3.8
Express Channel Insertion Loss (dB)	\leq 3.4
2% MON Port Insertion Loss (mux, dB)	\leq 19.0
Passband Ripple (dB)	\leq 0.5
Adjacent Channel Isolation between DWDM Channels (dB)	\geq 30
Non-Adjacent Channel Isolation Between DWDM Channels (dB)	\geq 40
Express Channel Isolation (dB)	\geq 12

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-DW1-D18C0-NN21-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 8 channel/4 Service, Express Port, no connectors except 900um LC MON, Channel 21 Start, Module only, 1M fibers
ZS-DW1-D18C0-NN29-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 8 channel/4 Service, Express Port, no connectors except 900um LC MON, Channel 29 Start, Module only, 1M fibers
ZS-DW1-D18C0-NN37-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 8 channel/4 Service, Express Port, no connectors except 900um LC MON, Channel 37 Start, Module only, 1M fibers
ZS-DW1-D18C0-NN45-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 8 channel/4 Service, Express Port, no connectors except 900um LC MON, Channel 45 Start, Module only, 1M fibers
ZS-DW1-D18C0-NN53-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 8 channel/4 Service, Express Port, no connectors except 900um LC MON, Channel 53 Start, Module only, 1M fibers

Network Diagram



Tray Integration Options

Similar Module in Tyco "B" Tray



Similar Module in Tyco "D" Tray

