

PASSIVES DATA SHEET

4 Channel / 2 Service Single Fiber DWDM Mux ITU ch. 21-24 through ITU ch. 57-60



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. 21-24, 25-28, 29-32, 33-36, 37-40, 41-44, 45-48, 49-52, 53-56, 57-60 (100GHz spacing)
Passband width: ITU $\pm$ 0.11nm

FORM FACTOR AND CONNECTOR TYPES

OSP cassette
LC/UPC connector (MON only)

DIMENSIONS (LXWXH)

Cassette: 70mm x 70mm x 8mm
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

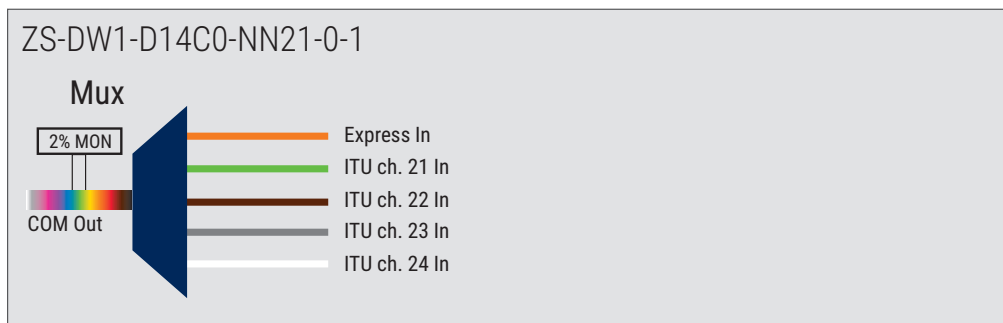
Parameter	Value
DWDM Channel Insertion Loss (dB)	≤ 2.2
Express Channel Insertion Loss (dB)	≤ 1.8
MON Port Insertion Loss (mux, dB)	≤ 19.0
Passband Ripple (dB)	≤ 0.5
Adjacent Channel Isolation between DWDM Channels (dB)	≥ 30
Non-Adjacent Channel Isolation Between DWDM Channels (dB)	≥ 40
Express Channel Isolation (dB)	≥ 12

Parameter	Value
Polarization Dependent Loss (dB)	≤ 0.2
Directivity (dB)	≥ 50
Return Loss (dB)	≥ 45
Polarization Mode Dispersion (ps)	≤ 0.2
Fiber Type	SMF-28e+ 900 μ m
Max Power Handling (mW)	300

Ordering Information

C1 Part Number	Description
ZS-DW1-D14C0-NN21-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 4 channel/2 service, Express Port, no connectors except 900um LC MON, Channel 21 Start, Module only, 1M fibers
ZS-DW1-D14C0-NN25-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 4 channel/2 service, Express Port, no connectors except 900um LC MON, Channel 25 Start, Module only, 1M fibers
ZS-DW1-D14C0-NN29-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 4 channel/2 service, Express Port, no connectors except 900um LC MON, Channel 29 Start, Module only, 1M fibers
ZS-DW1-D14C0-NN33-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 4 channel/2 service, Express Port, no connectors except 900um LC MON, Channel 33 Start, Module only, 1M fibers
ZS-DW1-D14C0-NN37-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 4 channel/2 service, Express Port, no connectors except 900um LC MON, Channel 37 Start, Module only, 1M fibers
ZS-DW1-D14C0-NN41-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 4 channel/2 service, Express Port, no connectors except 900um LC MON, Channel 41 Start, Module only, 1M fibers
ZS-DW1-D14C0-NN45-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 4 channel/2 service, Express Port, no connectors except 900um LC MON, Channel 45 Start, Module only, 1M fibers
ZS-DW1-D14C0-NN49-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 4 channel/2 service, Express Port, no connectors except 900um LC MON, Channel 49 Start, Module only, 1M fibers
ZS-DW1-D14C0-NN53-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 4 channel/2 service, Express Port, no connectors except 900um LC MON, Channel 53 Start, Module only, 1M fibers
ZS-DW1-D14C0-NN57-0-1	DWDM, Single Module, Single Fiber MUX, 100G spacing, 4 channel/2 service, Express Port, no connectors except 900um LC MON, Channel 57 Start, Module only, 1M fibers

Sample Network Diagram



Tray Integration Options

Module in Tyco "B" Tray



Module in Tyco "D" Tray

