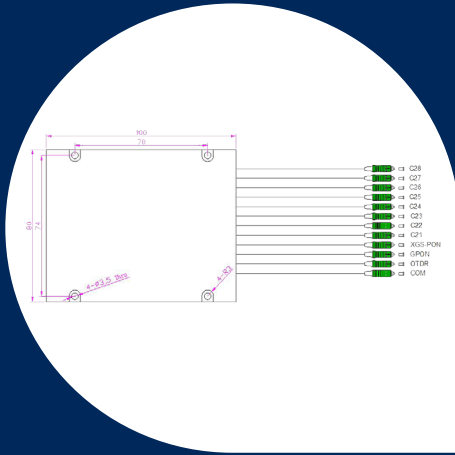


PASSIVES DATA SHEET

8 Channel Single Fiber DWDM Demux ITU ch. 21-28+GPON+XGSPON+OTDR



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 center wavelengths: ITU ch. 21-28 (100GHz spacing)
 GPON center wavelengths: 1290-1330nm / 1480-1500nm
 XGS-PON center wavelengths: 1260-1280nm / 1575-1580nm
 OTDR center wavelength: 1650nm

FORM FACTOR AND CONNECTOR TYPES

Custom cassette w/ 500mm fiber pigtails
 SC/APC connectors

DIMENSIONS (LXWXH)

100mm x 80mm x 10mm

TEMPERATURE RANGE

-10° C to 75° 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)	≤ 4.7
GPON Channel Insertion Loss (dB)	≤ 1.4
XGS-PON Channel Insertion Loss (dB)	≤ 1.8
OTDR Channel Insertion Loss (dB)	≤ 1.0
Passband Ripple (dB)	≤ 0.5
Adjacent Channel Isolation between DWDM Channels (dB)	≥ 30
Non-Adjacent Channel Isolation Between CWDM Channels (dB)	≥ 40
GPON Channel Isolation (dB)	≥ 30

Parameter	Value
XGS-PON Channel Isolation (dB)	≥ 30
OTDR Channel Isolation (dB)	≥ 30
Polarization Dependent Loss (dB)	≤ 0.2
Directivity (dB)	≥ 50
Return Loss (dB)	≥ 45
Polarization Mode Dispersion (ps)	≤ 0.2
Fiber Type	SMF-28 9 / 125 / 250 μm
Filter Type	TFF
Max Power Handling (mW)	300

Ordering Information

C1 Part Number	Description
ZS-DW1-D111GXOSA-NN21-0-.5	OSP 11 chl DWDM SFM, GPON, XGS-PON, OTDR, DWDM CH 21-28, L100×W80×H10mm, 900µm .5M SCA connectors

Network Diagram

