



PASSIVES DATA SHEET

40 Channel Dual Fiber DWDM Mux/ Demux ITU Ch. 20 – 59 + 1310nm Channel

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

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

-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) | ≤ 6.3 |
| MON Port Insertion Loss (mux/demux, dB) | ≤ 25.3 / 19.0 |
| Passband Ripple (dB) | ≤ 0.5 |
| Adjacent Channel Isolation between DWDM Channels (dB) | ≥ 30 |
| Non-Adjacent Channel Isolation Between DWDM Channels (dB) | ≥ 40 |

| 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 µm |
| Max Power Handling (mW) | 300 |

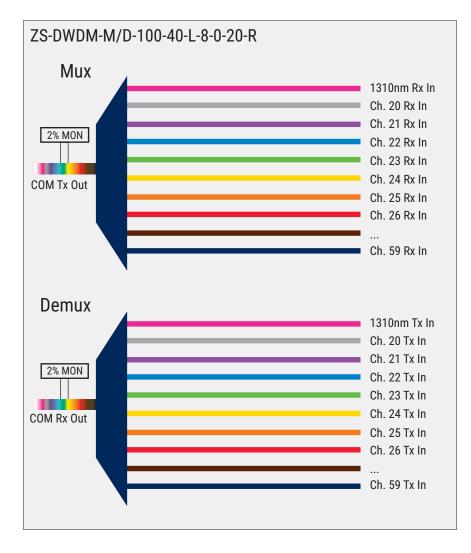
Ordering Information

| C1 Part Number | Description |
|-------------------------------|--|
| ZS-DWDM-M/D-100-40-L-8-0-20-R | DWDM M/D 100GHz 40 Chl, LC, 8 skip 0, Ch 20 start, 2% Mon, 1310PB, 1RU |





Network Diagram



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