

**PASSIVES DATA SHEET**


# 1 Channel CWDM OADM (1430nm - 1610nm)

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

## Technical Specifications

### OPTICAL REQUIREMENTS

Parameter	Value
Channel Quantity	1
Channel Wavelengths - CWDM	1430nm, 1450nm, 1470nm, 1490nm, 1510nm, 1530nm, 1550nm, 1570nm, 1590nm, or 1610nm
Bandwidth - Channel Ports (Min.)	± 6.5nm
Express Wavelengths	1260nm - 1650m minus channel ±10nm
CWDM Channel Insertion Loss	≤ 1.3 dB
Express IL (Max. Incl. Connectors)	≤ 2.0 dB

Parameter	Value
MON Port Insertion Loss (East+West Tx/Rx)	19 / 23 dB
Passband Ripple	≤ 0.2 dB
Adjacent Channel Isolation Between CWDM Channels	≥ 30 dB
Non-Adjacent Channel Isolation - CWDM	≥ 40 dB
Return Loss	≥ 45 dB
Directivity	≥ 45 dB
Polarization Dependent Loss	≤ 0.2 dB
Polarization Mode Dispersion	≤ 0.2 ps
Max Power Handling (mW)	300

### MECHANICAL REQUIREMENTS

Parameter	Value
Form Factor Size	100 x 100 x 28.5mm
Faceplate Size	130 x 28.5mm
Fiber Size	900 μm
Connector Type - All Ports	LC/UPC

### ENVIRONMENTAL REQUIREMENTS

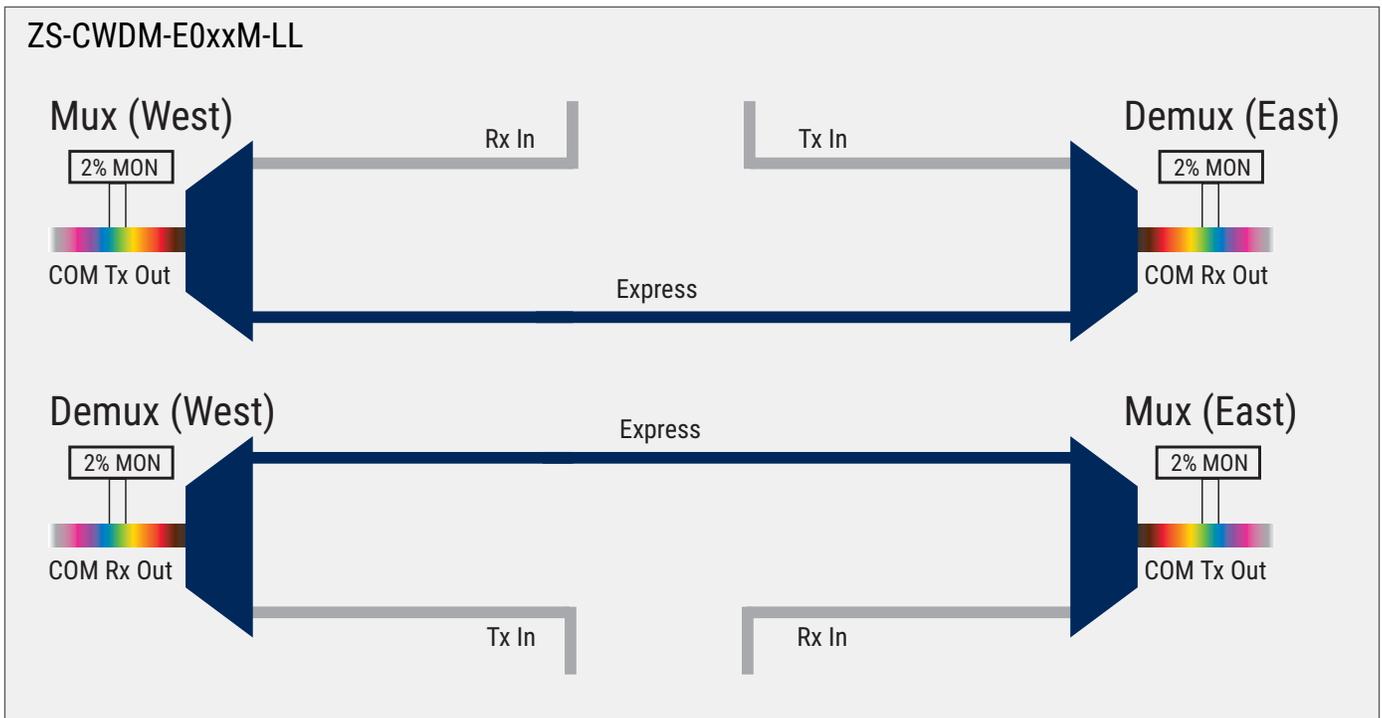
Parameter	Value
Operating Temperature	-40° C to 85° C
Storage Temperature	-40° C to 85° C
Reliability	Telcordia GR-1209, GR-1221

ALL PRODUCTS ARE ROHS COMPLIANT AND HAVE A LIMITED WARRANTY OF 5 YEARS

## Ordering Information

C1 Part Number	Description
ZS-CWDM-E0xxM-LL	OADM East and West, xx=43 (1430nm) to 61 (1610nm) 20nm Spacing, 1 Channel, 2% MON, LGX Module, LC/UPC

## Network Diagram

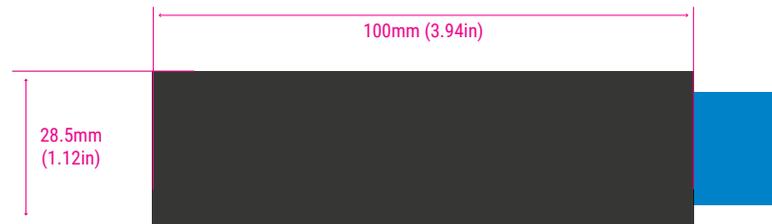


Physical Diagrams

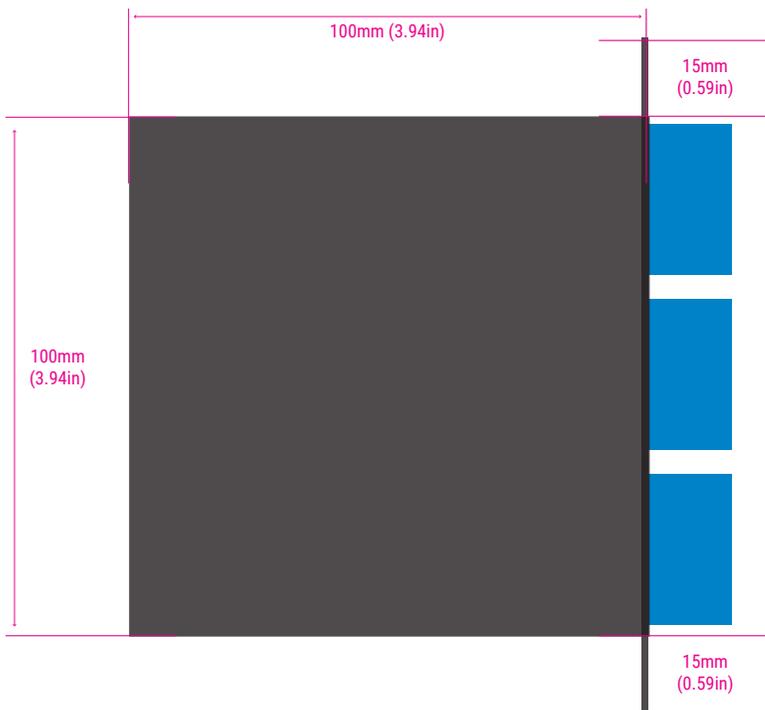
ZS-CWDM-E0xxM-LL



Front View



Side View



Top View

## Accessories

Champion ONE offers a full suite of mounting options for our passive LGX solutions:

### Ordering Information: Chassis



C1 Part Number	Description	Dimensions	LGX Slots
ZS-LGX3R-14S-CHASSIS-1923	LGX 3RU Chassis For 14 LGX Modules And Fiber Mgmt. - 19 or 23" Rack	Fits 19" Or 23" Rack x 3RU	14



C1 Part Number	Description	Dimensions	LGX Slots
ZS-LGX1R-3S-CHASSIS-1923	LGX 1RU Chassis For 3 LGX Modules And Fiber Mgmt. - 19 or 23" Rack	Fits 19" Or 23" Rack x 1RU	3

### Ordering Information: Faceplates



C1 Part Number	Description	Dimensions	LGX Slots
LGX1R-FACEPLATE	1RU Faceplate 19" With 3 LGX Slots For Passives	Fits 19" Rack x 1RU	3
LGX1R-FACEPLATE-23	1RU Faceplate 23" With 3 LGX Slots For Passives	Fits 23" Rack x 1RU	3

### Ordering Information: Faceplates (Continued)



C1 Part Number	Description	Dimensions	LGX Slots
LGX3R-FACEPLATE	3RU Faceplate 19" With 12 1W LGX Slots	Fits 19"	12

### Ordering Information: Magnetic "C" Bracket



C1 Part Number	Description	Dimensions	LGX Slots
LGX-2U2L	2RU Magnetic Bracket With 2 LGX Slots For Passives	5.28" x 3.94" x 2.44"	2