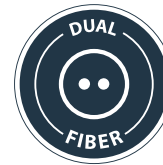
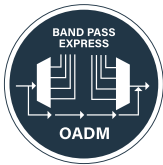


Features:

- 4 Channel Dual Fiber DWDM OADM
- Channel Wavelengths: DWDM
CH. xx - CH. xx+3
- Channel Spacing: 100GHz
- Maximum Optical Power: 300mW
- Connector Type - All Ports: LC/UPC
- Operating Temperature: -40 to 85°C
- Storage Temperature: -40 to 85°C
- Dimensions: 100mm x 100mm x 28.5mm
- Faceplate: 130mm



1. Optical Requirements

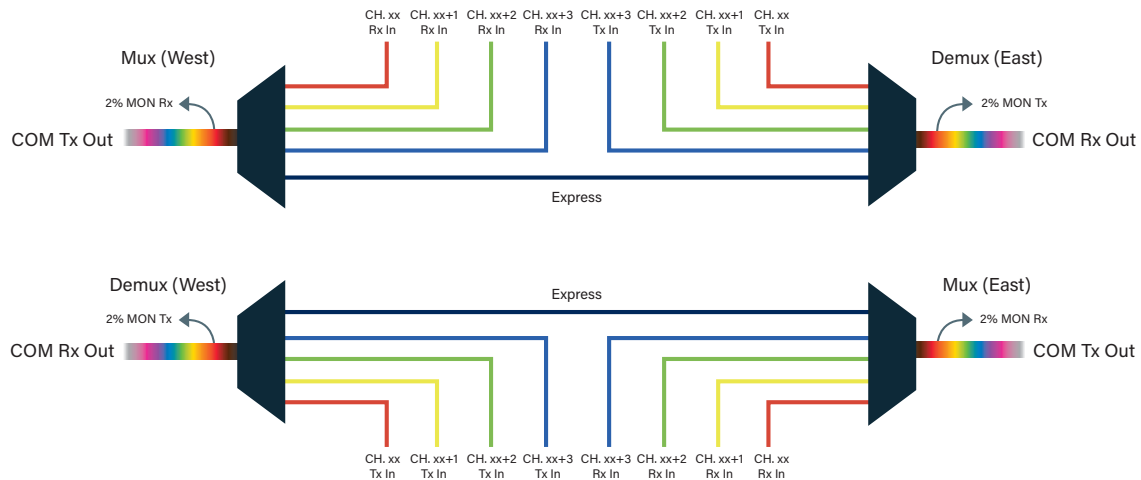
Parameter	Value
Passband, DWDM Channel Ports (Min.)	$\geq \text{ITU} \pm 0.11\text{nm}$
Passband Ripple (Max.)	$\leq 0.5\text{dB}$
Isolation, Adjacent Channel - DWDM (Min.)	$\geq 30\text{dB}$
Isolation, Non-Adjacent Channel - DWDM (Min.)	$\geq 40\text{dB}$
Return Loss - All Ports (Min., Including Connectors)	$\geq 45\text{dB}$
Directivity - DWDM Ports (Min.)	$\geq 50\text{dB}$
Polarization Dependent Loss (Max.)	$\leq 0.2\text{dB}$
Polarization Mode Dispersion (Max.)	$\leq 0.2\text{ps}$

2. Insertion Loss

Parameter	Value
COM-Rx \rightarrow Tx (Max., Incl. Connectors)	$\leq 2.1\text{dB}$
Rx \rightarrow COM-Tx (Max., Incl. Connectors)	$\leq 2.1\text{dB}$
COM-Rx \rightarrow COM-Tx (Max., Incl. Connectors)	$\leq 3.0\text{dB}$
2% TAP (West) (Typ., Incl. Connectors)	$\leq 19.0\text{dB}$
2% TAP (West) (Max., Incl. Connectors)	$\leq 21.1\text{dB}$

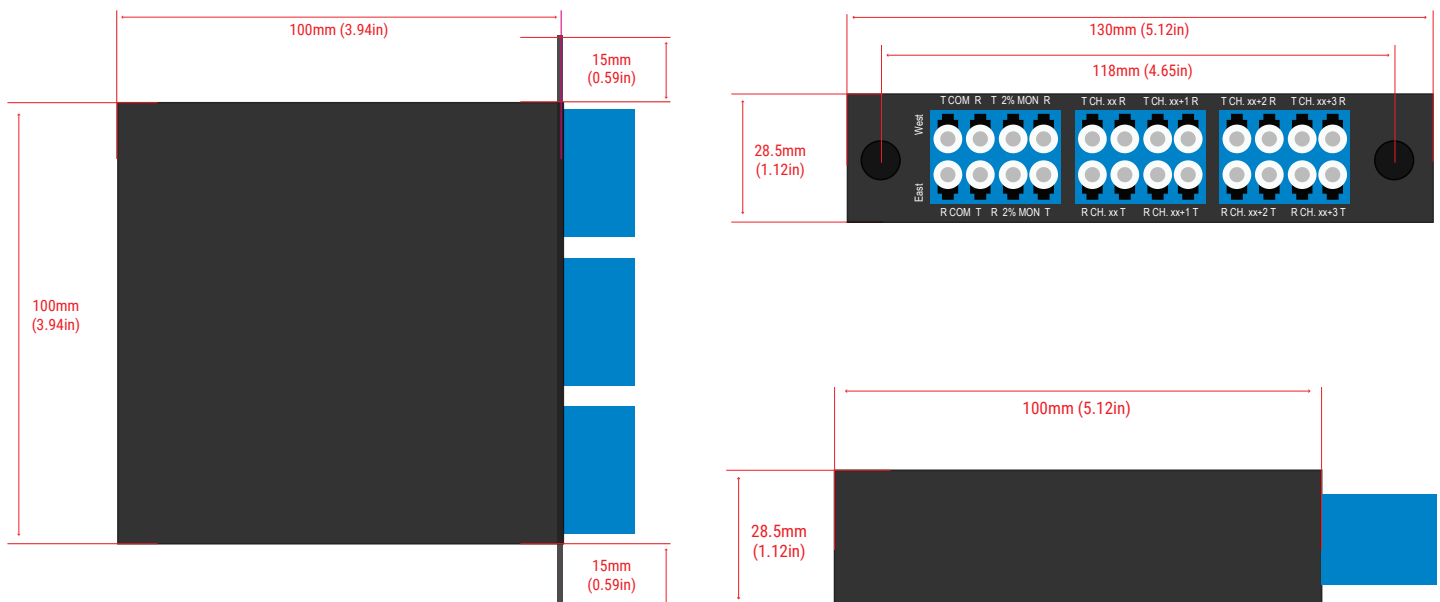
2% TAP (East) (Typ., Incl. Connectors)	≤ 19.0dB
2% TAP (East) (Max., Incl. Connectors)	≤ 21.1dB

3. Network Diagram



Channel	West		East	
	Typ.	Max.	Typ.	Max.
CH. xx+3	1.0	1.2	1.9	2.1
CH. xx+2	1.3	1.5	1.6	1.8
CH. xx+1	1.6	1.2	1.3	1.5
CH. xx	1.9	2.1	1.0	1.2

4. Mechanical Diagram



5. Ordering Information: Module

Part Number	Description
ZS-DWDM-ADM-100-4-L-N-N-16-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 16 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-20-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 20 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-21-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 21 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-24-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 24 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-28-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 28 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-29-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 29 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-32-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 32 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-36-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 36 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-40-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 40 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-43-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 43 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-44-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 44 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-47-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 47 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-48-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 48 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-52-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 52 Start, 2% MON, LGX
ZS-DWDM-ADM-100-4-L-N-N-56-L	DWDM OADM 100GHz 4 Ch LC, E/W, No Skip, CH. 56 Start, 2% MON, LGX

6. Ordering Information: Mounting Options

LGX Chassis



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



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

LGX Faceplate



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

Magnetic "C" Bracket



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

7. Contact Information

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