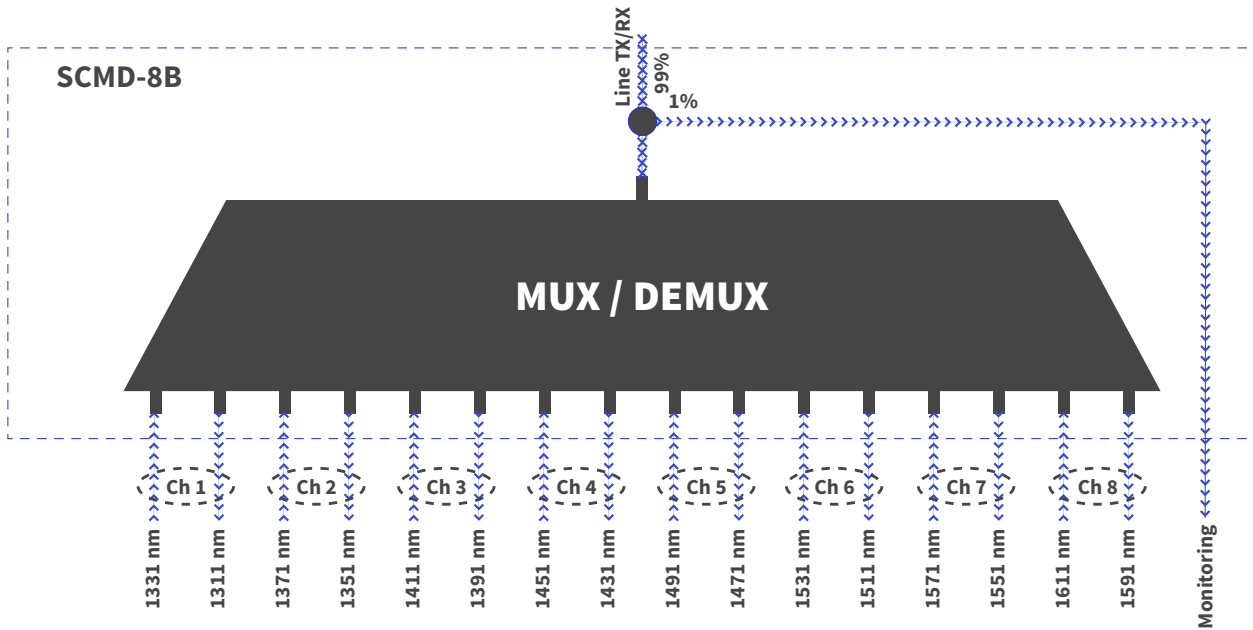


Product Specification:

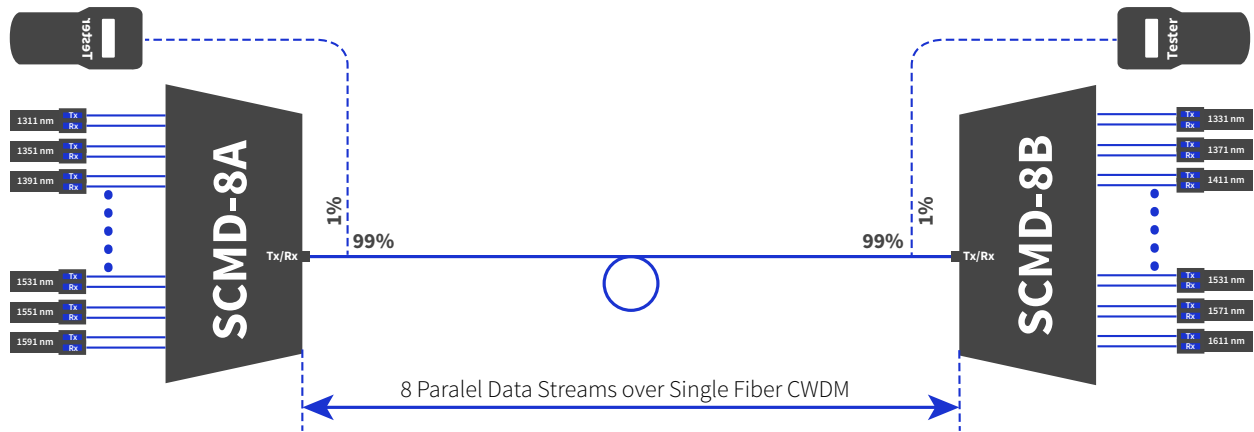
Parameter		Unit	Value
Product Type:			CWDM MUX/DEMUX Unit
Number of Data Streams:			8
Number of Channels		Ch	16 CWDM Channels According ITU-T G.694.2
Transport Media:			Single Fiber Single Mode Fiber (SMF)
Operating Wavelengths:	center	nm	Ch1-Tx:1331nm Ch4-Rx:1431nm Ch8-Tx:1611nm Ch1-Rx:1311nm Ch5-Tx:1491nm Ch8-Rx:1591nm Ch2-Tx:1371nm Ch5-Rx:1471nm Ch2-Rx:1351nm Ch6-Tx:1531nm Ch3-Tx:1411nm Ch6-Rx:1511nm Ch3-Rx:1391nm Ch7-Tx:1571nm Ch4-Tx:1451nm Ch7-Rx:1551nm
Filter Technology:			TFF (Thin Film Filter)
Passband:	λ_{center}	nm	± 6.5 nm
Channel Spacing:		nm	20 nm
Band-Pass ("Skip") Filters:			Yes
Insertation Loss <small>Passband:</small>	Max	dB	3.0 dB
Insertation Loss <small>1% Monitor Port:</small>	Max	dB	23.8 dB
Monitoring Port Type:			Yes - 1% Monitoring Port
Isolation Adjacent Channels:	Min	dB	30 dB
Isolation Non-Adjacent Channels:	Min	dB	40 dB
Channel Passband Ripple:	Min	dB	0.3 dB
Plarization Dependant Los (PDL):	Max	dB	<0.15 dB
Polarization Mode Dispersion (PMD):	Max	ps/nm	< 0.20 ps/nm
Directivity:	Min	dB	>50 dB
Return Loss:	Min	dB	>45 dB
Maximum Power Handling:	Max	mW	< 300 mW
Connectors:			LC Adapters for use with TIA/EIA 604-10 compliant LC UPC Connectors
Operating Temperature:		(°C)	-5~+70 (°C)
Storage Temperature:		(°C)	-40~+85 (°C)
Dimensions (W x H x D):		mm	214 x 41.3 x 198
Relative Humidity:		%	0 - 90%
Compliance:			ITU-T G.694.2, CE, ISO, RoHS, Telecordia GR-20



Functional Diagram:



Network Diagram:



Front Panel:



Line: Line interface for common signal
Mon. Interface for in-service performance testing

1270-1610: CWDM Channel colored transceivers interfaces

Installation:



In order to install CWDM LGX Module in 19" rack, please order 19" 1U sub-rack supporting up to two LGX modules. Product code **LGX-RCK-2-1U**.

Warranty:

EDGE Optic's provides a limited warranty for **sixty (60)** months from Purchaser's receipt of the Equipment represented in this data sheet against defective design or workmanship.

