

## DWDM (Mux Demux) 32CH 1U rack type LC/UPC connector

The planar DWDM components(Thermal/Athermal AWG) are fully qualified according to Telcordia reliability assurance requirements for fiber optic and opto-electronic components (GR-1221-CORE/UNC, Generic Reliability Assurance Requirements for Fiber Optic Branching Components, and Telcordia TR-NWT-000468, Reliability Assurance Practices for Opto-electronic Devices).

### Features

- Low Insertion Loss
- Established silica-on-silicon
- Low PDL
- Low chromatic dispersion
- Telcordia GR-1221-CORE qualified

### Applications

- DWDM transmission
- Wavelength Routing

### Specifications

Parameter	32 Channel			
	Min	Typ	Max	
Number of Channels	32wave (C21-C52)			
Number Channel Spacing	100			GHz
Cha. Center Wavelength	C -band			nm
Clear Channel Passband	±0.1			nm
Wavelength Stability	±0.05			nm
Wavelength	1310±50			nm
1310nm Insertion Loss	1.0			dB



-1 dB Channel Bandwidth	0.36			nm
-3 dB Channel Bandwidth	0.51			nm
-20 dB Channel Bandwidth			1.2	
Optical Insertion Loss at ITU grid		5.0	6.0	dB
Adjacent Channel Isolation	25			dB
Non-Adjacent Channel Isolation	30			dB
1310nm Channel Isolation	30			dB
Total Channel Isolation	24			dB
Insertion Loss Uniformity			1.0	dB
Directivity (Mux Only)	40			dB
Insertion Loss Ripple			1.2	dB
Optical Return loss	40			dB
Polarization Dependent Loss in Clear Channel Band		0.3	0.5	dB
Polarization Mode Dispersion			0.5	ps
Maximum Optical Power			23	dBm
MUX/DEMUX Input/ Output Monitoring range	-35		+23	dBm
Operating Temperature	-5		+65	°C
Operating Humidity	5		95	%RH
Storage Temperature	-40		+85	°C
Storage Humidity	5		95	%RH
Package Size	19"1U Rack			



