

Waveform Technology Product Specification

of

1*8 (ITU DWDM-100G) MUX/DEMUX

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Parameter	Mux / Demux
Fiber Type	Single-Mode
Optical Connector	LC/PC
Channel Wavelength (nm)	C-Band
Center wavelength Accuracy (nm)	±0.1
Channel Spacing (Ghz)	100Ghz / 200Ghz
Channel Passband (@-0.5dB bandwidth (nm))	100G: >0.3; 200G: >0.5
Insertion Loss (dB)	≤1.8 (4W); ≤3.0 (8W); ≤4.5 (16W)
Channel Uniformity (dB)	≤0.6 (4W); ≤1.0 (8W); ≤1.5 (16W)
Channel Ripple (dB)	0.3
Isolation (dB)	>30 (Adjacent); >40 (Non-adjacent)
Isolation (dB)	>30 (Express with filter); >12 (Express without filter)
Insertion Loss Temperature Sensitivity (dB/°C)	<0.005
Wavelength Temperature Shifting (nm/°C)	<0.002
Polarization Dependent Loss (dB)	<0.1 (4W & 8W); <0.15 (16W)
Polarization Mode Dispersion	<0.1
Directivity (dB)	>50
Return Loss(dB)	>45
Maximum Power Handling (mW)	300
Operating Temperature (°C)	-10~+75
Storage Temperature (°C)	-40~+85
Package dimension	1RU 19" Rack

Stand Wavelength Reference Table

C21	C23	C25	C27	C31	C33	C35	C37
1560.61	1558.98	1557.36	1555.75	1552.52	1550.92	1549.32	1547.72