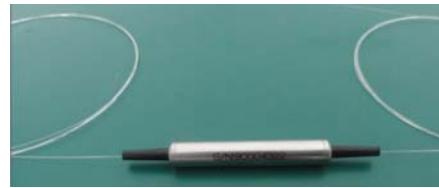


100GHz DWDM Device



Applications

- long haul DWDM system
- Metro DWDM system
- Access/enterprise networks
- Denser channel plans(50GHz, by interleave)
- Test bench/system

Specifications

Parameter	MUX / DEMUX	
Channel Wavelength (nm)	ITU Grid	
Central wavelength Accuracy (nm)	±0.5	±0.1
Channel Spacing (G)	100	200
Channel Passband@0.5dB (nm)	≥0.22	≥0.5
Pass Channel Insertion Loss (dB)	≤1.0	≤0.9
Reflection Channel Insertion Loss (dB)	≤0.6	≤0.6
Channel Ripple (dB)	≤0.3	
Insertion Loss Temperature Sensitivity (dB/ °C)	<0.005	
Wavelength Temperature Shifting (dB/ °C)	<0.002	
Polarization Dependent Loss (dB)	<0.1	
Polarization Mode Dispersion (dB)	<0.1	
Adjacent channel isolation (dB)	≥30	
Non-adjacent channel isolation (dB)	≥40	
Return Loss (dB)	≥45	
Directivity (dB)	≥50	
Operation temperature (°C)	-5~+70	
Storage temperature (°C)	-40~+85	
package (mm)	Φ5.5x34 (L38 for 900um Loose tube)	

Above specification are for device without connector.

Features

- Exceptional reliability and environmental stability
- Low PDL
- Flat and wide passband
- High demux channel isolation
- Customizable with tap

Ordering Information

Product	ITU	Fiber Type	Fiber Length	In/out Connector
	50=50GHz 100=100GHz 200=200GHz	09=0.9mm 10=1.0mm 20=2.0mm 30=3.0mm	1=1 m 2=2 m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC