



Accelink's multi-channel mux/demux modules are available on ITU channel spacings of 100 GHz, which are based on thin film filter technology. These devices are configured by number of channels for any customer-specify channel plan, and integration of taps and detectors for a complete DWDM solution. Accelink's DWDM devices are Telcordia GR-1221-CORE qualified. All Accelink's products are epoxy-free in the optical path.

Features

- Exceptional reliability and environmental stability
- Low polarization dependent loss(PDL)
- Flat and wide passband
- High demux channel isolation
- Customizable with tap

Applications

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

Specifications

Parameter	Unit	Value					
		2	4	8	16	32	40
Channel number							
Central wavelength	nm	ITU-T Grid					
Passband@0.5dB	nm	≥0.25					
Passband	nm	$\lambda_{ITU} \pm 0.11$					
Passband flatness	dB	≤0.5					
Insertion loss(Typ.)	dB	1.4	1.6	2.6	3.8	4.8	5.2
Insertion loss(Max.)	dB	1.8	2.0	3.2	4.5	5.5	6.0
Channel uniformity	dB	≤0.5	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0
Adjacent channel isolation	dB	≥25					
Non-adjacent channel isolation	dB	≥45					
Wavelength thermal stability	nm/°C	≤0.001					
Insertion loss thermal stability	dB/°C	≤0.005	≤0.005	≤0.007	≤0.007	≤0.008	≤0.008
Return Loss	dB	≥45					
PMD	ps	≤0.10	≤0.10	≤0.10	≤0.15	≤0.15	≤0.15
PDL	dB	≤0.10	≤0.15	≤0.2	≤0.25	≤0.30	≤0.30
Directivity	dB	≥50					
Operation temperature	°C	-5~+65					
Storage temperature	°C	-40~+85					
Package	mm	88.9×50.8×8.3	120×80×13	130×87×13	150×115×13	150×110×19	150×110×19

Ordering information

Channel number	Start ITU channel number	Fiber Dia.	Fiber length	Connector	Application type
2:2channel 4:4channel 8:8channel 16:16channel 32:32channel 40:40channel	C21、C*21、C22、C*22、 L71、L*71、L72、L*72... Refer to ITU channel table in page 55	09: φ 0.9mm	0.5:0.5m customer specify	00:no connector FC,SC,LC,MU/PC, UPC,APC	M: MUX. D: DEMUX. M/D:MUX./DEMUX.