



Accelink's 200GHz DWDM modules are available on ITU channel spacings of 200GHz, which are based on thin film filter technology. These devices are configured by number of channels for any customer-specified channel plan, and can be integrated with taps and detectors for a complete DWDM solution. Accelink's DWDM devices are Telcordia GR-1221-CORE qualified. 200GHz DWDM are epoxy-free in the optical path.

Features

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

Applications

- Long haul DWDM system
- Metro DWDM system
- Access/enterprise networks
- Test bench/systems

Specifications

Parameter	Unit	Value				
		2	4	8	16	20
Channel number		2	4	8	16	20
Central wavelength	nm	ITU-T Grid				
Passband@0.5dB	nm	≥0.60				
Passband	nm	$\lambda_{ITU} \pm 0.25$				
Passband flatness	dB	≤0.5				
Insertion loss(Typ.)	dB	1.4	1.6	2.6	3.8	4.3
Insertion loss(Max.)	dB	1.8	2.0	3.2	4.5	5.0
Channel uniformity	dB	≤0.5	≤1.0	≤1.0	≤1.0	≤1.0
Adjacent channel isolation	dB	≥25				
Non-adjacent channel isolation	dB	≥45				
Wavelength thermal stability	nm/°C	≤0.002				
Insertion loss thermal stability	dB/°C	≤0.005	≤0.005	≤0.007	≤0.007	≤0.008
Return loss	dB	≥45				
PMD	ps	≤0.10	≤0.10	≤0.10	≤0.15	≤0.15
PDL	dB	≤0.10	≤0.15	≤0.2	≤0.25	≤0.25
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

Ordering information

DWDM	2					
2:2channel 4:4channel 8:8channel 16:16channel 20:20channel	C21, C*21, C23, C*23...	09:φ0.9mm	0.5:0.5m customer specify	00:no connector FC,SC,LC,MU/PC, UPC,APC	M: MUX. D: DEMUX. M/D: MUX./DEMUX.	
Channel number	Start ITU channel number	Fiber Dia.	Fiber length	Connector	Application type	