

100G DWDM Module



Product Introduction

Multi-channel mux/demux modules are available on ITU channel spacing of 100GHz, which are based on thin film filter technology.

These devices can be designed to satisfy any customer-specified channel detectors for a complete DWDM solution.

Features

- High demux channel isolation
- Low polarization dependent loss
- Stable and reliable performance
- All-optical path without adhesive bonding

Applications

- Long haul DWDM system
- Metro DWDM system

Standards

- Telcordia GR-1221-CORE
- RoHS

Specifications

Parameter	Unit	value					
		2	4	8	16	32	40
Channel Number		2	4	8	16	32	40
Central Wavelength		ITU-T Grid					
Pass Band@-0.5dB	nm	≥0.3					
Pass Band	nm	ITU-T ±0.11					
Pass Band Flatness	dB	≤0.5					
Insertion Loss(Typ.)	dB	1.2	1.6	2.6	3.8	4.6	5.0
Insertion Loss(Max.)	dB	1.6	2.0	3.2	4.5	5.2	5.8
Adjacent Channel Isolation	dB	≥25					
Non- adjacent Channel Isolation	dB	≥45					
Return loss	dB	≥45					
PMD	PS	≤0.10	≤0.10	≤0.10	≤0.15	≤0.15	≤0.15
PDL	dB	≤0.10	≤0.15	≤0.25	≤0.25	≤0.30	≤0.30
Directivity	dB	≥50					
Operation Temperature	°C	-5 ~ +65					
Storage Temperature	°C	-40 ~ +85					
Pakeage	mm	88.9×50.8×8	120×80×13	130×87×13	150×115×13	150×110×19	150×110×19

Ordering Information

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- Application Type: M:Mux D:Demux M/D:Mux&Demux
- Connector: SC、FC、LC、MU、NA: Inconsistent
- Fiber Length: 0.5:0.5m、customer specify
- Fiber Type: 09: Φ0.9mm
- Start Channel Number: C21、C22、L71、L72Refer ITU channel table
- Channel Number: 2、4、8、16、32、40