

200GHz DWDM Module



Multi-channel mux/demux modules are available on ITU channel spacing of 100GHz, which are based on thin film filter technology. These modules are assembled with a number of customer-specified channel filters, and would be integrated with taps and detectors for a complete DWDM solution.

The products are Telcordia GR-1221-CORE qualified, and RoHS compliant.

Features

- High demux channel isolation
- Low polarization dependent loss
- Flat and wide passband
- Excellent reliability

Applications

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

Specifications

Parameter	Unit	Value				
Channel Number		2	4	8	16	20
Central Wavelength		ITU-T Grid				
Passband@0.5dB	nm	≥ 0.60				
Passband	nm	$\lambda_{mu} \pm 0.25$				
Passband Flatness	dB	≤ 0.5				
Insertion Loss(Typ.)	dB	1.4	1.6	2.6	3.8	4.8
Insertion Loss(Max.)	dB	1.8	2.0	3.2	4.5	5.5
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	≤ 0.20	≤ 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

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Channel Number	Start Channel Number	Fiber Dia.	Fiber Length	Connector	Application Type
2:2 channel	C21、C'21、C22、	09: Φ0.9mm	0.5:0.5m customer specify	00:no connector FC,SC,LC,MU/ PC,UPC,APC	M: Mux
4:4 channel	C'22、L71、L'71、				D: Demux
8:8 channel	L72、L'72...				M/D:Mux and Demux
16:16 channel	(Refer to ITU channel table)				
20:20 channel					