

DWDM Modules

200GHz DWDM

DWDM-2



Product Description

Rotal'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-specify channel plan, and can be integrated with taps and detectors for a complete DWDM solution. Rotal'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

Product 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	88.9x50.8x8.3	120x80x13	130x87x13	150x115x13	150x110x19

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.	L: LGX R: 19" rack mount	
Channel number	Start ITU channel number	Fiber Dia.	Fiber length	Connector	Application type	Package	