

100GHz DWDM Module

Product Name: 100GHz DWDM module

Features

- ◆ Based on thin film filter technology and high wavelength stability
- ◆ Low polarization dependent loss and high channel isolation
- ◆ Flat and wide passband
- ◆ Compact size and upgrade port is optional
- ◆ Epoxy free optical path and excellent reliability
- ◆ Telcordia GR-1221-CORE qualified and RoHS compliant



Applications

- CWDM system
- CATV system
- Telecommunication network system
- Metro/Access networks

Specifications

Parameter	Unit	Value					
		2	4	8	16	32	40
Channels Number	-	2	4	8	16	32	40
Channel Central Wavelength	nm	ITU-T Grid					
Passband@0.5dB	nm	≥0.3					
Pass band	nm	λITU±0.11					
Pass band Flatness	dB	≤0.5					
Insertion Loss (Typ.)	dB	1.2	2.0	4.2	9.0	16.8	20.5
Insertion Loss (Max.)	dB	1.4	2.6	5.0	9.8	19.4	24.2
Adjacent Channel Isolation	dB	≥25					
Non-adjacent Channel Isolation	dB	≥40					
Return Loss	dB	≥50					
Polarization Mode Dispersion	ps	≤0.10	≤0.10	≤0.10	≤0.15	≤0.15	≤0.15
Polarization Dependent Loss	dB	≤0.10	≤0.15	≤0.20	≤0.25	≤0.30	≤0.30
Directivity	dB	≥50					

Operation Temperature	°C	-5~+70
Storage Temperature	°C	-40~+85
Package Dimension	mm	ABS box G: 100X80X10, H: 125X96X16 I: 141X115X18, O: customized

- Note: 1. All parameters are for device without connectors.
 2. Rack-mounted customization is available.
 3. Special specifications can be customized according to customer requirements.

Ordering Information

DWDM 100GHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Channel Number	Start Channel	Application Type	Fiber Type	Fiber Length	Connector
100GHz DWDM	02=2 CH 04=4 CH 08=8 CH 16=16 CH 32=32 CH 40=40 CH	C21, C+21 C22, C+22 L71, L+71 L72, L+72 (Refer to ITU channel table)	M=Mux D=Demux	09=900um loose tube 90=900um tight buffer 20=2.0mm Cable 30=3.0mm Cable	0.5=0.5m 10=1.0m 15=1.5m 20=2.0m S= customized	NA=None FP=FC/PC FA=FC/APC SP=SC/PC SA=SC/APC LP=LC/UPC LA=LC/APC MU=MU/UPC S= customized