



TAKFLY COMMUNICATIONS CO., LTD.

ADD: Takfly Industrial Park, Tongsheng Community, Dalang Street, Longhua District, Shenzhen, 518109, China.

Tel: +86-755-28106528

Fax: +86-755-23777278

8Channels 100GHz Dense Wavelength Division Multiplexer

Features

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability

Applications

- Channel Add/Drop
- DWDM Network
- Fiber Optical Amplifier

Performance Specifications (产品指标)

Parameter		4 Channel		8 Channel		16 Channel	
		Mux	Demux	Mux	Demux	Mux	Demux
Channel Wavelength(nm)		ITU 100 GHz Grid					
Center wavelength Accuracy(nm)		±0.05					
Channel Spacing (GHz) GHz)		100					
Channel Passband (@-0.5dB bandwidth) (nm)		≥0.22					
Insertion Loss		≤1.6		≤2.5		≤3.5	
Channel Uniformity		≤0.6		≤1.0		≤1.5	
Channel Ripple		0.3		0.3		0.3	
Isolation	Adjacent	N/A	>30	N/A	>30	N/A	>30
	Non-adjacent	N/A	>40	N/A	>40	N/A	>40
Insertion Loss Temperature Sensitivity (dB/°C)		≤0.005					
Wavelength Temperature Shifting(°C)		<0.002					
Polarization Dependent Loss(dB)		<0.1					
Polarization Mode Dispersion(PS)		<0.1					
Directivity(dB)		>50					
Return Loss (dB)		>45					
Maximum Power Handling (mW)		500					
Operating Temperature(°C)		-5~+75					
Storage Temperature(°C)		-40~85					
Package dimension(mm)		1. L100 x W80 x H10 (2 CH ~ 8CH Module) 2. L140xW100xH15 (9 CH ~ 18CH Module)) 3. 19 1U Rack					

Above specification are for device without connector



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Order Information

Configuration	Channel No.	Channel	Pigtail Type	Fiber length	Dimension (mm)	Connector
M=Mux D=Demux	04=4 Channel 08=8 Channel 16=16 Channel N=N Channel	C20= 1561.42 nm C21= 1560.61 nm 	0=250um 1=900um 2=2.0mm 3=3.0mm	1=1m 2=1.5m 3=others	1= L100 x W80 xH10 2=L140xW100xH15 3=19 1U Rack	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=others