

100GHz 4/8/12/16/24/32 Channel Dense Wavelength Division Multiplexer

Features

- 100GHz ITU channel spacing
- Low insertion loss
- Wide pass band
- High channel isolation
- High stability and reliability
- Epoxy free on optical path

Applications

- Channel add / drop
- DWDM network
- Wavelength routing
- Fiber optical amplifier
- CATV fiber optic system



Performance Specifications

Parameter		4 CH	8 CH	12CH	16CH	24CH	32CH
Channel Wavelength (nm)		ITU 100 GHz Grid					
Center Wavelength Accuracy (nm)		± 0.05					
Minimum Channel Spacing (GHz)		100					
Channel Passband (@-0.5dB bandwidth) (nm)		0.22					
Insertion Loss (dB)		<2.0	<3.5	3.5/2.8	≤ 5.0/3.5	6.5/3.5	<8.5/3.8
Channel Ripple (dB)		< 0.3					
Isolation @Add/Drop	Adjacent	> 30	> 30	> 30	> 30	> 30	> 30
Channel (dB),	Non-adjacent	> 40	> 40	> 40	> 40	> 40	> 40
Insertion Loss Temperature Sensitivity (dB/°C)		<0.005					
Wavelength Temperature Shifting (nm/°C)		<0.002					
Polarization Dependent Loss (dB)		<0.10	<0.10	<0.15	<0.15	<0.15	<0.15
Polarization Mode Dispersion (ps)		<0.1					
Directivity (dB)		>50					
Return Loss (dB)		>45					
Maximum Power Handling (mW)		300					
Operating Temperature (°C)		0 ~+70					
Storage Temperature (°C)		-40 ~+85					
Dimension (mm)		100*80*10		120*80*18		140*115*18	

Specifications may change without notice

Ordering Information

UDW



Channel Spacing	Channel	Configuration	1st ITU Channel	Fiber Type	Fiber Length	Connector
1=100GHz	04=4CH	M=Mux	21=1560.61nm	1=Bare Fiber	1=1 Meter	0=None
	08=8CH	D=DeMux	22=1559.79nm	2=900um Fiber	2=2 Meter	1=FC/APC
	16=16CH	C=Customized	23=1558.98nm			2=FC/PC
	32=32CH					3=SC/APC
						4=SC/PC
						5=ST
						6=LC

Package Dimension

