Customized DWDM Product

DWDM multi-channel multiplexer /demultiplexer (Mux /DeMux） modules are available on ITU channel spacing of 100GHz. They demonstrate low loss, temperature insensitivity and reliable performance in any system application.Fixed Mux/DeMux modules offer low-cost wavelength management solutions that are suitable for long haul, metro, and access application.

Features

Low Insertion Loss

High Isolation

Low PDL

Compact Design

Good channel-to-channel uniformity

Applications

DWDM System

PON Networks

CATV Links

Fiber optical amplifier

Wavelength routing

Specification

Item		Unit	Parameters
Channel Spacing		GHz	100GHZ
Wavelength Range			C- band ITU channels
Channel Centers		nm	ITU
Channels		ch	18 /24/32/Customized
With 1% MON port insertion loss		dB	21
With 1310nm Port insertion loss		dB	0.8
Channel Insertion Loss		dB	≤4.8
EXP insertion loss		dB	5
Passbandwidth	MON Port	nm	1260-1610
	1310nm port	nm	1310+/-20
	Channel port	nm	≥ +/- 0.13
	EXP		/
Passband Ripple		dB	≤ 0.5
Channel EXP Insertion Loss		dB	≤5.0
Isolation (adjacent channel)		dB	≥30
Isolation (non-adjacent channel)		dB	≥ 40
Polarization Dependent Loss		dB	≤ 0.2
Polarization Mode Dispersion		ps	≤ 0.2
Directivity		dB	≥ 50
Return Loss		dB	≥ 45
Optical Power Handling		mW	≤ 500
Operating Temperature Range		0C	-5 to 70
Storage Temperature Range		0C	-40 to +85
Fiber Type		NA	SMF-28e+
Package dimensions		mm	Support customized

All the specifications are based on the devices without connector

Ordering information （PDWX-Mxx-T1213-C20xx-11FC）

Product	Configuration	Number of Channels	With MON/TAP	Other Port	First Channel	Last Channel	Fiber Type	Fiber Length	Connector
PDWX	M=Mux(BIDI) D=Demux (BIDI) O=MUX&DEMUX	18=18CH 24=24CH 32=32CH XX= xxCH	T12=1x2 T22=2x2	13=1310nm E=EXP	C20= 1561.42 nm C21= 1560.61 nm … C60=1529.55nm	20= 1561.42 nm 21= 1560.61 nm … 60=1529.55nm	1=250um 2=0.9mm 3=2mm 4=3mm	1=1m 2=2m S=Specify	NN=None FA=FC/APC FU=FC/UPC SA=SC/APC SU=SC/UPC LU=LC/UPC LA=LC/APC SS=Specific