

# DWDM-1204 (4 channels) DWDM-1208 (8 channels)

## 100GHz single fiber bi-direction dense WDM

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### PRODUCT DESCRIPTION

DWDM-1204, DWDM-1208 dense DWDM DWDM, which is based on mature thin film filtering technology, It has the feature of low insertion loss, high isolation and flexible channel configuration. It can bi-direction transmit 4 channel(1204) or 8 channel(1208) on one fiber up stream/down stream.

Uplink: C/Red-Band 1547.4~1563.4nm.

Downlink: C/Blue-Band 1528.0~1543.3nm.

### PRODUCT FEATURE

- ▶ Single fiber bi-direction transmit 4CH or 8CH
- ▶ High channel isolation
- ▶ Low insertion loss
- ▶ High stability and reliability

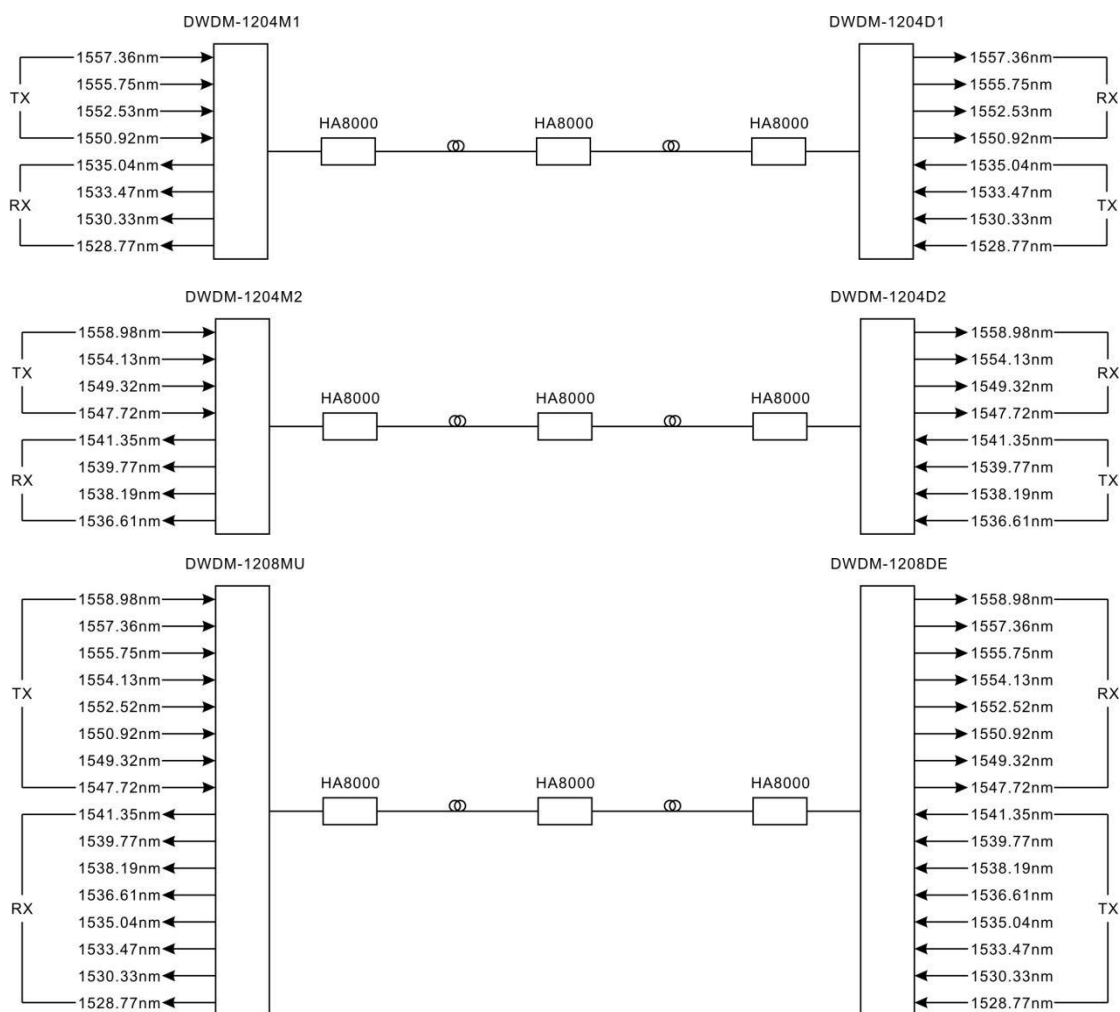
### MAIN APPLICATION

- ▶ Single fiber bi-direction DWDM system
- ▶ Single fiber bi-direction digital TV
- ▶ Single fiber bi-direction satellite fiber link

## TECHNIQUE INDEX

Performance			Index			Supplement
			Min.	Typ.	Max.	
Downlink operating wavelength	(nm)		1547.4		1563.4	Red-Band
Uplink operating wavelength	(nm)		1528.0		1543.3	Blue-Band
Center wavelength				ITU-T		
Center wavelength accuracy	(nm)		-0.03		+0.03	
Channel spacing	(GHz)			100		
Channel passband (@-0.5dB)	(nm)		0.22			
In-band ripple	(dB)				0.5	
Isolation	Adjacent	(dB)	30			
	Non-adjacent		40			
Insert loss	(dB)				6	
Polarization dependence loss	(dB)				0.2	
Polarization mode dispersion	(dB)				0.1	
Power handling	(mW)				500	
Fiber length	(m)		0.5			
Fiber type			SMF-28 with 900μm loose tube			
Optical connector			FC/APC, SC/APC, LC/APC			Option PC
Size	Modular	(mm)	128×80×12			
	19"1RU	(")	19×10.7×1.75			

## WAVELENGTH CONFIGURATION



## PRODUCT SERIES

Model	Channel spacing	Number of channels	Type	Downlink operating wavelength	Uplink operating wavelength
DWDM-1204-MA-RB	100GHz	Bi-direction 4CH	MUX A type wavelength config	Red-Band 1547.4 ~ 1563.4nm	Blue-Band 1528 ~ 1543.3nm
DWDM-1204-MB-RB	100GHz	Bi-direction 4CH	MUX B type wavelength config		
DWDM-1204-DA-RB	100GHz	Bi-direction 4CH	DEMUX A type wavelength config		
DWDM-1204-DB-RB	100GHz	Bi-direction 4CH	DEMUX B type wavelength config		
DWDM-1208-MU-RB	100GHz	Bi-direction 8CH	MUX bi-direction 8CH		
DWDM-1208-DE-RB	100GHz	Bi-direction 8CH	DEMUX bi-direction 8CH		

## MODEL EXPLANATION

DWDM - 1 2 0 4 - [ ] [ ] R B - 1 U - F / S A

Product series	Channel spacing	Mode	Number of uni-direction	Type	Downlink operating wavelength	Up operating wavelength	Exterior	Optical port position	Connector
DWDM	DWDM	10 100GHz 2 Single fiber bi-direction	04 4 channels	MA MUX A type wavelength config	R 1548~1564nm	B 1528~1543nm	1U 19" 1RU	F Front panel	FA FC/APC
DWDV	With VOA DWDM		08 8 channels	MB MUX B type wavelength config	C 1528~1564nm	C 1528~1564nm	3D Desk-type	B Back panel	FP FC/UPC
DWDA	With VOA & EDFA DWDM			DA DEMUX A type wavelength config	L 1570~1605nm	L 1570~1605nm	ML Modulator		SA SC/APC
				DB DEMUX B type wavelength config			OEM Appearance user customized		SP SC/UPC
				MU MUX bi-direction 8 channels					LA LC/APC
				DE DEMUX bi-direction 8 channels					LP LC/UPC