DWDA-1000 (100GHz)

VOA DWDM with EDFA With VOA, EDFA Dense Wavelength Division Multiplexer

PRODUCT DESCRIPTION

OADM-1000 100GHz optical add/drop multiplexer based on the mature thin-film filter technology, metal seal. With so much great features like low insertion loss, high isolation, wide pass band, flexible configuration and so on. This is the ideal parts for used in DWDM system Add/Drop special wavelength.

PRODUCT FEATURE

▶100GHz ITU channel spacing, option 200GHz (OADM-2000).

▶Low insertion loss.

▶Wide pass band.

▶High channel isolation.

▶High stability and reliability.

▶Epoxy free optical path.

MAIN APPLICATION

▶DWDM network channel Add/Drop.

▶Wavelength routing

▶CATV fiber optical system

TECHNIQUE INDEX

Performance			Index			Supplement
			Min.	Typ.	Mzx.	
Operating wavelength		(nm)	1528		1564	
Center wavelength				ITU-T		
Center wavelength accuracy		(nm)	-0.03		+0.03	
Channel spacing		(GHz)		100		OADW-1000
				200		OADW-2000
Channel passband (@-0.5dB bandwidth)		(nm)	0.22			OADW-1000
			0.5			OADW-2000
App/drop channel ripple		(dB)			0.5	
Add/drop channel insertion loss	1CH	(dB)			1.2	OADW-1001
	2×1CH				1.5	OADW-1201
	2×2CH				5.0	OADW-1202
Residual channel insertion loss	1CH	(dB)			0.6	OADW-1001
	2×1CH				1.0	OADW-1201
	2×2CH				1.8	OADW-1202
Isolation	Adjacnet	(dB)	25			
	Non-adjacent		40			
Polarization dependence loss		(dB)			0.15	
Polarization mode dispersion		(ps)			0.1	
Directivity		(dB)	50			
Return loss		(dB)	50			
Power handlink		(mW)			500	
Fiber length		(m)	0.5			
Fiber type			SMF-28 with 900μm loose tube			
Optical connector			LC/PC, LC/APC, SC/PC, SC/APC, FC/PC,			
Operating temp.		(℃)	0		+70	
Storage temp.		(℃)	-40		+85	
Size		(mm)	Φ5.5×L34			Individual package
			110×84×16			M1
			130×100×16			M2

PRODUCT SERIES

Model	Channel spacing	Number of Add channels	Number of Drop channels	Exterior
OADW-1001S	100GHz	-	1CH	S5 individual package
OADW-1100S	100GHz	1CH	-	S5 individual package
OADW-1101M	100GHz	1CH	1CH	M1 moduleator
OADW-1202M	100GHz	2CH	2CH	M1 moduleator
OADW-1303M	100GHz	3CH	3CH	M1 moduleator

MODEL EXPLANATION

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Optical add/drop multiplexer	Channel spacing		Number of add channel		Number of drop channel		Exterior		Fiber length		Connector	
	1	100GHz	0	Without	00	Without	S5	5.5×L34	05	0.5m	LP	LC/UPC
	2	200GHz	1	1 channel	01	1 channel	M1	110×84×16	10	1.0m	LA	LC/APC
			2	2 channel	02	2 channel	M2	130×100×16	15	1.5m	SP	SC/UPC
			3	3 channel	03	3 channel					SA	SC/APC
			4	4 channel	04	4 channel					FP	FC/UPC
											FA	FC/APC