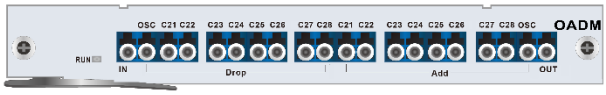
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SKU: E3H5DAD

DWDM OADM Module Card

Part Number: F520-DW-xFxxxxxx



Overview

The DW-xFxxxxxx card is made with DWDM TFF components to realize the function of DWDM wavelength Add / Drop of 1~16 channels on 1~2 fibers. It can add different DWDM wavelengths signals into the transmission fiber line or drop the DWDM wavelength signals from the transmission fiber line for the local signal exchange. It is a flexible and low-cost solution which enables the expansion of existing capacity for service providers without investing on fiber lines.

Applications

- Long-Haul / Metro DWDM system
- DWDM networks

Features

- 100GHz Channel Spacing
- Support up to 16 channels Add / Drop
- Plug and play, no configuration required
- Passive products without power and cooling needs
- High Isolation and Low Insertion Loss
- Stable and Reliable performance
- High integration card package
- Support Monitoring and Express channel

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Specification

Parameters		Specification Values					Unit
Fiber Type		SMF-28e or equivalent Single Mode Fiber					
Center Wavelength		ITU-Grid					nm
Channel Spacing		100					GHz
Center Wavelength Accuracy		±0.05					nm
Channel Passband (@-0.5dB) (nm)		0.22					nm
Passband Ripple (dB)		≤ 0.5					dB
Optical Insertion Loss at ITU grid*1	CH Counts	1CH	2CH	4CH	8CH	16CH	
	Add / Drop	<0.8	<1.2	<1.8	<3.0	<4.5	dB
	Add + Drop	<1.2	<1.8	<3.0	<4.5	-	
Adjacent Channel Isolation		≥ 25					dB
Non-Adjacent Channel Isolation		≥ 40					dB
PDL / Polarization Dependent Loss*2		≤ 0.2					dB
PMD / Polarization Mode Dispersion		≤ 0.1					ps
Directivity		≥ 50					dB
Optical Return Loss		≥ 45					dB
Maximum Handling Power		300					mW
Size		191(W) x 253(D) x 20(H)					mm
Operating Temperature		-10 ~ +60					˚C
Storage Temperatur		-40 ~ +85					˚C
Relative Humidity (no condensation)		5 ~ 95					%

Note1: The Insertion Loss values not including Connector Loss.
Note2: PDL was measured on average polarization over a ±0.08nm window around the ITU wavelength.

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Ordering Information

F520-DW-□F□□□□□□

Fiber Counts
1: 1 Fiber
2: 2 Fibers

Add Channel Counts
01A- 1 Add Channel
02A- 2 Add Channels
04A- 4 Add Channels
08A- 8 Add Channels
16A- 16 Add Channels
xxA- xx Add Channels
Blank- None Add Channel

Drop Channel Counts
01D- 1 Drop Channel
02D- 2 Drop Channels
04D- 4 Drop Channels
08D- 8 Drop Channels
16D- 16 Drop Channels
xxD- xx Drop Channels
Blank- None Drop Channel

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