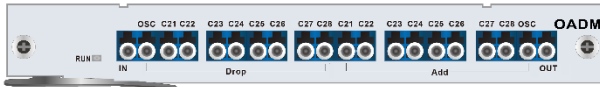




DWDM OADM Module Card

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



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	dB
	Add / Drop	<0.8	<1.2	<1.8	<3.0	<4.5	
	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 Temperature	-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.



Ordering Information

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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