

FEATURES:

- RoHS 6/6 Compliant
- Up to 24 simplex LC connectors per tray or 12 SC Simplex Connector
- Low Insertion Loss
- Patented accessibility; easy, fast and accurate
- High Channel Isolation
- Flat and Wide Passband
- Low Polarization Dependent Loss
- Epoxy-Free Optical Path
- Exceptionally Stable and Reliable
- Telcordia GR-1221 Compliant
- Thin-Film-Filter based

APPLICATIONS:

- Dense WDM Systems
- Long Haul Networks
- Data Center
- Telecom Central Office
- CATV Headend + OSP Cabinets

DESCRIPTION:

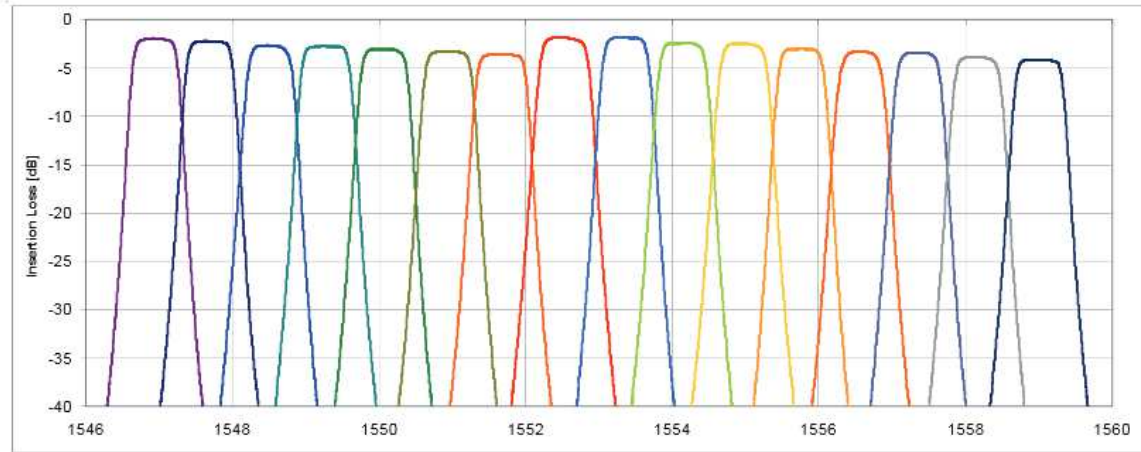
The Go!Foton PEACOC Ultra High Density Fiber Management Platform has been awarded US Patent #8,939,792 for its unique and innovative approach to fiber management. PEACOC is a fully integrated and modular technology platform which forms the foundation on which small form factor jumpers and a multitude of optical components can be easily incorporated and managed in an ultra-high density rack system. Now, with release of the newest PEACOC V3.0 chassis, the same award winning PEACOC™ technology is now available in modular form with the introduction of the value added PEACOC FleT™ – a Flexible Tray configuration which gives PEACOC users the complete control to reconfigure the 1RU PEACOC chassis in the field.

The PEACOC FleT is a highly flexible, cassette based design which may be ordered preconfigured or reconfigured in the field at any time, to support a variety of fiber patching and splicing applications. In addition, the FleT enhancement to PEACOC allows users to field install, manage and reconfigure integrated optical components such as tap splitters, PLC splitters and xWDM filter modules.

Go!Foton's DWDMs are based on NSG's patent pending technology. This technology puts Go!Foton as one of only a few companies with a unique process for tuning the center wavelength in the DWDM spectrum. Based on NSG's unique SELFOC technology, the process eliminates the severe manufacturing burdens placed on the thin film filter, thus simplifying center wavelength tolerances and reducing cost. Go!Foton's SELMUX products are epoxy-free in the optical path and are in compliance with RoHS 6/6.



Wavelength Spectrum:



SPECIFICATION:

The products supplied to this specification shall meet or exceed all the requirements specified herein.

A. OPTICAL CHARACTERISTICS

Parameter	Unit	2	4	8	12	16	20
Operating Wavelength	nm	ITU					
Channel Spacing	GHz	100					
Center Wavelength	nm	ITU					
Upgrade Port Wavelength Range (Option)	nm	1260~1520 and 1570~1635					
Express Port Wavelength Range (Option)	nm	Remaining Channel of ITU 16 to 63					
Passband Band Width	nm	$\lambda_c \pm 0.11$					
DWDM port Insertion Loss	dB	≤1.0(Prem)	≤1.7(Prem)	≤3.0(Prem)	≤3.3(Prem)	≤3.8(Prem)	≤3.8(Prem)
	dB	≤1.5 (Std)	≤2.2 (Std)	≤3.4 (Std)	≤3.6 (Std)	≤4.0 (Std)	≤4.3 (Std)

Express Port Wavelength (option)	dB	≤1.5(Prem)	≤2.0(Prem)	≤3.0(Prem)	≤3.0(Prem)	≤3.0(Prem)	≤3.0(Prem)	
	dB	≤1.8(Std)	≤2.2(Std)	≤3.4(Std)	≤3.4(Std)	≤3.4(Std)	≤3.4(Std)	
Upgrade Port Insertion Loss (option)	dB	≤ 1.5						
Passband Ripple	dB	≤ 0.5						
Adjacent Channel Isolation	dB	≥28						
Non-Adjacent Channel Isolation	dB	≥ 45 @ within 1520-1635nm ≥ 15 @ within 1260-1520nm						
Upgrade Port Isolation		≥ 12 @ 1520~1570						
Express port isolation		≥ 12 @ $\lambda_c \pm 0.11$						
Polarization Dependent Loss	dB	≤ 0.2						
Optical Return Loss	dB	≥50						
Directivity	dB	≥ 50						
Optical Power Handling	mW	≤ 500						
Operating Temperature Range	°C	-40~85						
Storage Temperature Range	°C	-40~85						
Fiber Type	-	ITU G657A2, G657 B2 and G65D Compliant Single Mode Fiber						
Fiber Jacket	-	900um tight buffer						
Package Size	inch	11.8"L x 21"W x 1.7"H (1RU)						
Number of Channels	-	Please see Table1						
Accessibility	-	LC Connectors with Blue duplex adapters						

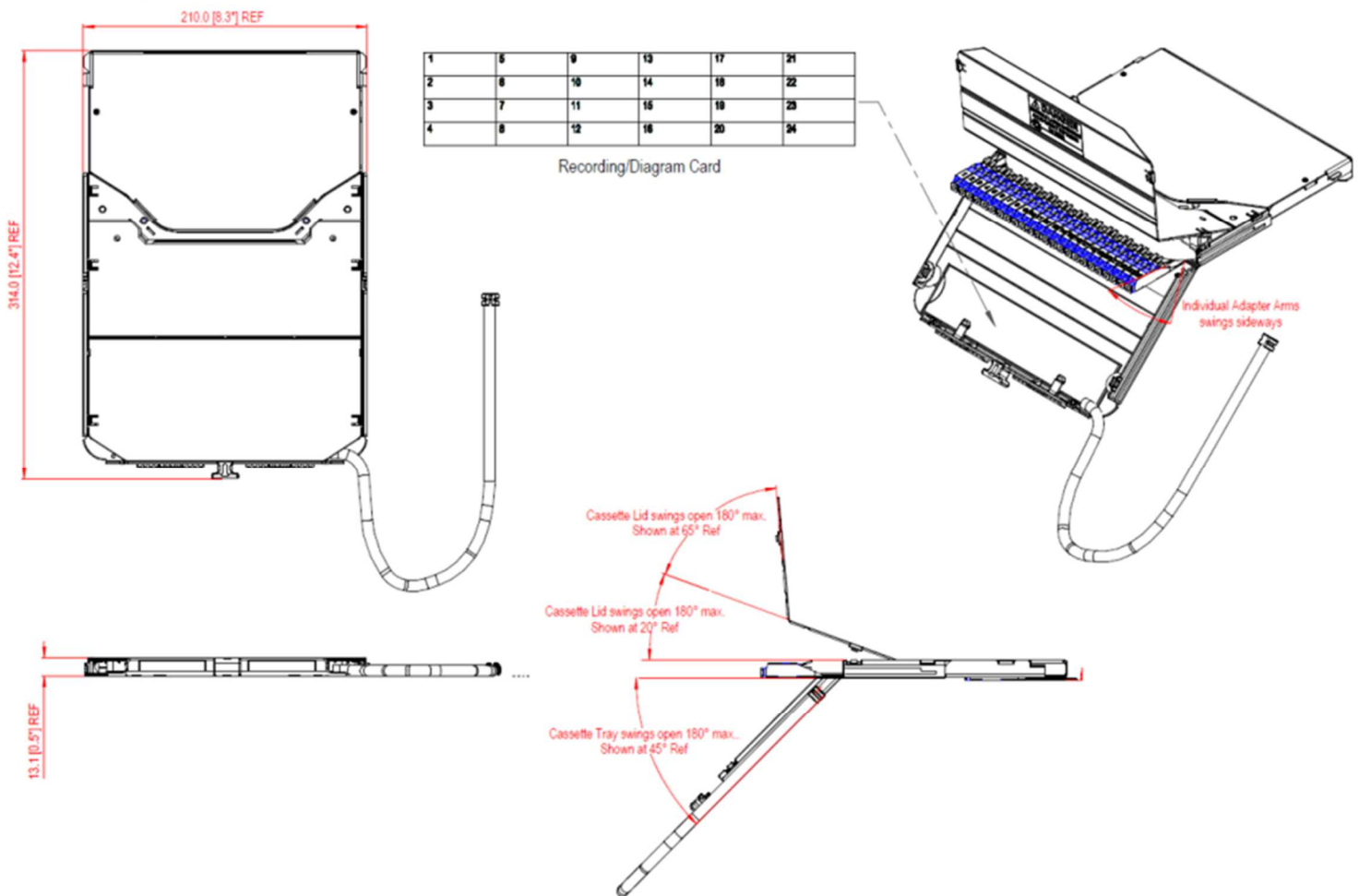
Notes:

1. All specifications are with fiber connectors.
2. Uniformity is defined as loss difference between output ports.
3. Other customized channels are also available per customer's request

Table1: Number of channels per tray

Configurations	Max sets per tray	Total number of Ports
2channels	4sets per tray	24 Ports
4channels	3sets per tray	24 Ports
8channels	2sets per tray	24 Ports
12channels	1set per tray	16 Ports
16channels	1set per tray	20 Ports
20channels	1set per tray	24 Ports

B. PACKAGE DIMENSIONS



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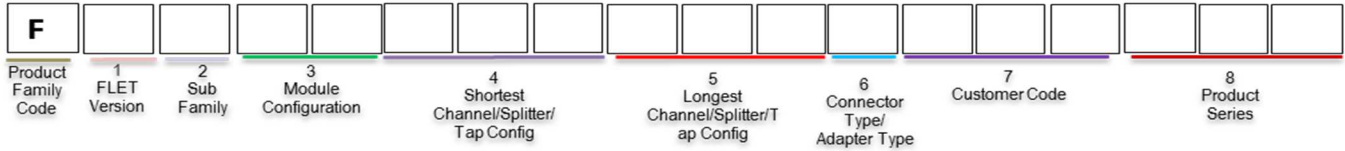
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*Go!Foton can provide a remarkable range of customized optical solutions. See below ordering information:

Ordering Information:



PRODUCT FAMILY CODE	
Code	Code Description
J	PACO JUMPERS
M	MFOC JUMPERS
B	FAN-OUT JUMPERS
F	FLET
P	PEACOC

Tray Configuration	
Code	Code Description
A	ver 1.0 tray A only
B	ver 1.0 tray B only
C	ver 1.0 tray C only
D	ver 1.0 tray D only
E	ver 1.0 tray E only
F	ver 1.0 tray F only
X	V3.0, any tray
L	V3.0, Fully loaded
M	V1.0, Fully loaded
1	V3.0, 1 Tray
2	V3.0, 2 Trays
3	V3.0, 3 Trays
4	V3.0, 4 Trays
5	V3.0, 5 Trays

SUB - FAMILY	
Code	Code Description
C	CWDM
D	DWDM 100G
E	DWDM 200G
F	PON/FTTX
T	Taps
S	Splitters

For D/CWDM	
Code	Code Description
Configuration	
1S	4CH Standard
1P	4CH Premium
2S	8CH Standard
2P	8CH Premium
3S	16CH Standard
3P	16CH Premium
4S	20CH Standard
4P	20CH Premium
09	For Custom other no. of channel count
For TAPS	
10	Tap 10/90
30	Tap 30/70
50	Tap 50/50
For Splitters	
A1	1x4
A2	1x6
A3	1x8
A4	1x12
A5	1x16
A6	1x24
For PON/FTTX	
EW	Standard EWDM
VG	Video + GPON
VN	Video + NGPON
GN	Video + NGPON
VP	Video + GPON + NGPON

Shortest Channel Plan for C/DWDM (nm)	
Code	Code Description
XX1	for CWDM (ex 471 for 1471)
CXX	for DWDM (ex C23 for C band ITU 23)
Channel Plan for EWDM/FTTx Ref Port	
Code	Code Description
XXK	1550-1560nm
XXM	1260-1360+1480-1500nm
XXN	1480-1500+1550-1560nm
XXO	1260-1360nm
XXP	1260-1360+1550-1560nm
For Splitters / Tap Configuration	
Code	Code Description
000	for Splitters
1X2	for 1x2 Taps
2X2	for 2x2 Taps
XXX	for GPON/NGPON System/Others

Longest Channel Plan for C/DWDM (nm)	
Code	Code Description
XX1	for CWDM (ex 471 for 1471)
CXX	for DWDM (ex C23 for C band ITU 23)
Channel Plan for EWDM/FTTx Pass Port	
Code	Code Description
XXK	1550-1560nm
XXM	1260-1360+1480-1500nm
XXN	1480-1500+1550-1560nm
XXO	1260-1360nm
XXP	1260-1360+1550-1560nm
For Splitters / Tap Configuration	
Code	Code Description
SW1	Single Window 1310±40nm
SW2	Single Window 1550±40nm
DW1	Dual Window 1310±40nm + 1550±40nm
PW1	Fullband 1260-1625nm
MM3	Multimode 850nm OM3

CONNECTOR/ADAPTER TYPE	
Code	Code Description
1	LC/UPC; Blue Duplex Adapters
2	LC/APC; Green Duplex Adapters
3	SC/UPC; Blue Simplex Adapters
4	SC/APC; Green Simplex Adapters
5	LC/UPC; Blue Simplex Adapters
6	LC/APC; Green Simplex Adapters
P	Others

CUSTOMER CODE	
Code	Code Description
-	Customer Code (3 Letters only)

PRODUCT SERIES	
Code	Code Description
-	Product Series (3 numeric)

Example: FXD1SC23C201

FleT with version 3.0 design, 4ch standard DWDM 100GHz with wavelength range of C23 (1558.983nm) to C20 (1561.419nm) and has duplex LC blue adapters.