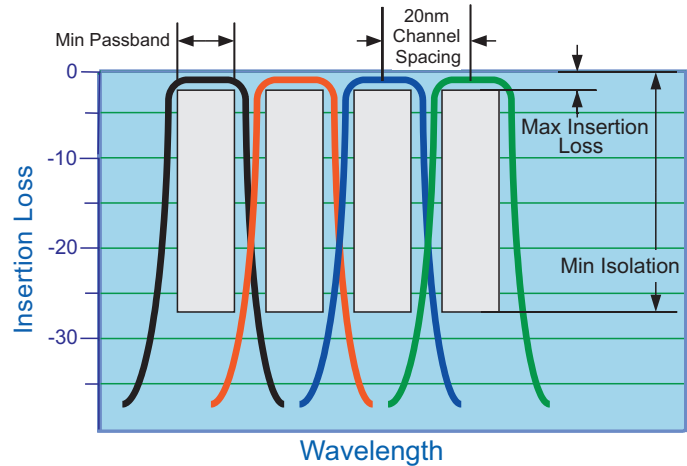


COARSE WAVELENGTH DIVISION MULTIPLEXER

CWDM- 20 nm channel spacing

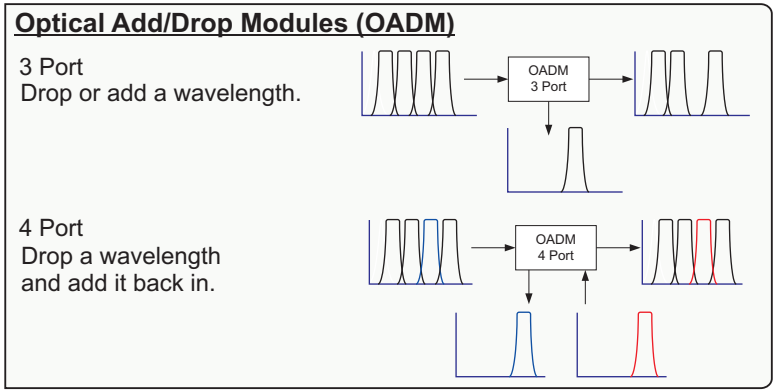
ISO 9001 Registered

- **Suitable for MUX or DMUX Applications**
All IPITEK CWDM modules have the higher isolation required for DMUX applications
- **Express/Upgrade Port Available**
 - Easy addition of future channels,
 - Pass through routing of existing traffic
- **3- and 4-port OADMs Available**
- **Flexible Configurations and Packaging**
 - Custom channel plans
 - High density packaging: duplex, triplex, quad.
- **High Isolation Models Available**
>50 dB adjacent channel isolation



OPTICAL PERFORMANCE				OADM ports		CWDM channels		
				3	4	2	4	8
Insertion Loss (Includes connectors)	ITU Channels	dB	Max	1.0	1.0	1.7	2.0	3.2
	Upgrade / Express			0.5	0.9	1.4	1.8	2.8
Insertion Loss Uniformity		dB	Max	-	-	1	1	1
Polarization Dependent Loss		dB	Max	0.1	0.1	0.1	0.2	0.2

Isolation:	
Adjacent Channels	> 30 dB
Non-Adjacent Channels	> 50 dB
Passband Ripple:	< 0.5 dB
Return Loss:	> 45 dB
Directivity:	> 55 dB
Polarization Mode Dispersion:	0.1 ps
Passband @ -0.5 dB (min):	+/- 6.5 nm



ORDERING INFORMATION

I P - C W D M - * * * * * S * * N A - * * *

Type of CWDM	No. of Channels	Starting Channel	Package	Connector
OAD3 = 3 Port OADM	01	1470 nm = 47	C = Cassette	00 = none
OAD4 = 4 Port OADM	02	1490 nm = 49	R = Ruggedized	S1 = SC-UPC
DMUX = All Others	04	etc.	L = LGX	S3 = SC-APC
	08		S = Standard Module	F1 = FC-UPC
			N = Rack Mount	F3 = FC-APC
			19", 1 RU	T1 = ST
				E3 = E-2000
				L1 = LC-UPC

Express/Upgrade Port
Y = Yes
N = No

Contact your IPITEK customer service representative for custom specifications.

Please note: Not all combinations of packaging options are possible. For CWDM packaging information please also reference our Packaging Data Sheet.

IPITEK reserves the right to modify product specifications without prior notification.