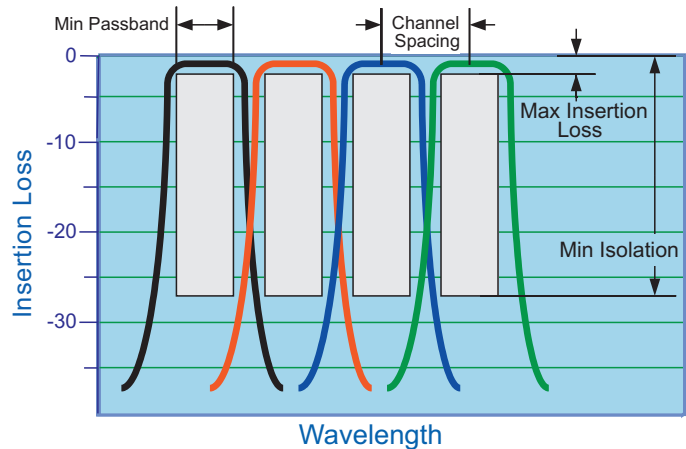


# DENSE WAVELENGTH DIVISION MULTIPLEXER

DWDM- channel spacing 100GHz, 200GHz

- Mux and Demux ITU Grid Wavelengths
- Low Insertion Loss
- High Isolation
- Express or Pass Thru Port Available
- Up to 40 Channels Available



IPITEK's Dense Wavelength Division Multiplexers and Demultiplexers (DWDMs) combine and separate different wavelengths on a single fiber. This allows fiber users to easily run bi-directional traffic, carry more data on a single fiber, and route data to different locations.

OPTICAL PERFORMANCE				No. of DWDM channels			
				2	4	8	16
Insertion Loss (Includes connectors)	ITU Channels	dB	Max	1.6	2.5	3.5	4.5
	Upgrade / Express			1	1.4	2.6	5
Insertion Loss Uniformity		dB	Max	0.5	1	1	1.5
Polarization Dependent Loss		dB	Max	0.1	0.1	0.15	0.2

**Isolation:**

- Adjacent Channels > 25 dB
- Non-Adjacent Channels > 40 dB

Passband Ripple: < 0.5 dB

Return Loss: > 45 dB

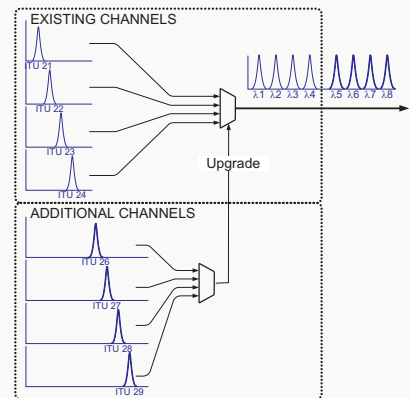
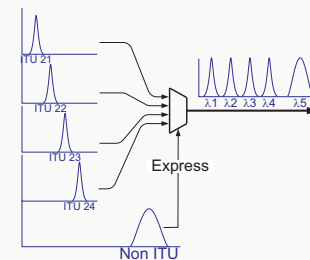
Directivity: > 55 dB

Polarization Mode Dispersion: 0.1 ps

Passband @ -0.5 dB:  
 100 GHz 0.11 nm  
 200 GHz 0.25 nm

**Upgrade/Express Port**

Allows easy addition of future channels and/or combination of ITU with non-ITU channels.



## ORDERING INFORMATION

<b>I</b>	<b>P</b>	-	<b>D</b>	<b>W</b>	*	*	<b>D</b>	*	*	*	*	*	*	*	*	-	*	*	*
			No. of Channels					Passband (GHz)			Starting Channel			Package			Connector		
			02 04 08 16					100 200			210 = ITU 21 220 = ITU 22 etc.			C = Cassette L = LGX S = Standard Module N = Rack Mount 19", 1 RU			00 = none S1 = SC-UPC S3 = SC-APC F1 = FC-UPC F3 = FC-APC T1 = ST E3 = E-2000 L1 = LC-UPC		
												<b>Express/Upgrade Port</b>							
												E = Yes F = No							

Contact your IPITEK customer service representative for custom specifications.  
 Please note: Not all combinations of packaging options are possible.  
 For packaging information please also reference our Packaging Data Sheet.