



High Capacity Fiber Optic Solutions

Part Number **PC1-W-13**

Applications

- Add/Drop legacy 1310 nm channel in CWDM system.
- Mix PON with CWDM.

Features

- Low insertion loss on through path.
- Low add & drop insertion loss.
- No powering required.
- High directivity.



Transmission Characteristics

Parameter	Min	Max	Unit	Notes
Add/Drop Port Wavelength, nm	1260	1360	nm	
Express Port Wavelength, nm	1460	1620	nm	
Add/Drop Channel Insertion Loss		1.0	dB	Including connector losses
Express Channel Insertion Loss		0.8	dB	Including connector losses
Add/Drop Channel Ripple		0.3	dB	
Isolation (C-P1)	30		dB	
Isolation (C-P2)	12		dB	
Directivity	40		dB	
Optical Input Return Loss	45		dB	Excluding connector losses
Polarization Dependent Loss		0.1	dB	
Polarization Mode Dispersion (PMD)		0.1	ps	
Optical Power		300	mW	
Fiber Type	G657B , PVC 2.0mm			

Environmental Characteristics

Parameter	Min	Max	Unit	Notes
Storage Temperature Range	-40	+85	°C	
Operating Temperature Range	0	+70	°C	Within spec. Device will not be not damaged unless Storage Temp Range exceeded.

Connectorization

Port	Connector
Common	LC
Express	LC
Add/Drop	LC

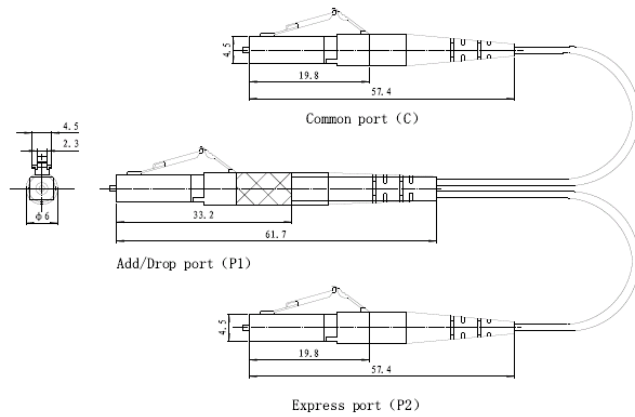


Figure 1 - Physical Configuration

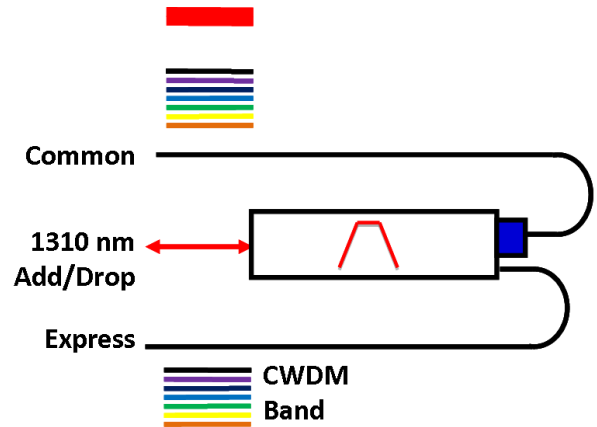


Figure 2 - Schematic

Typical Application

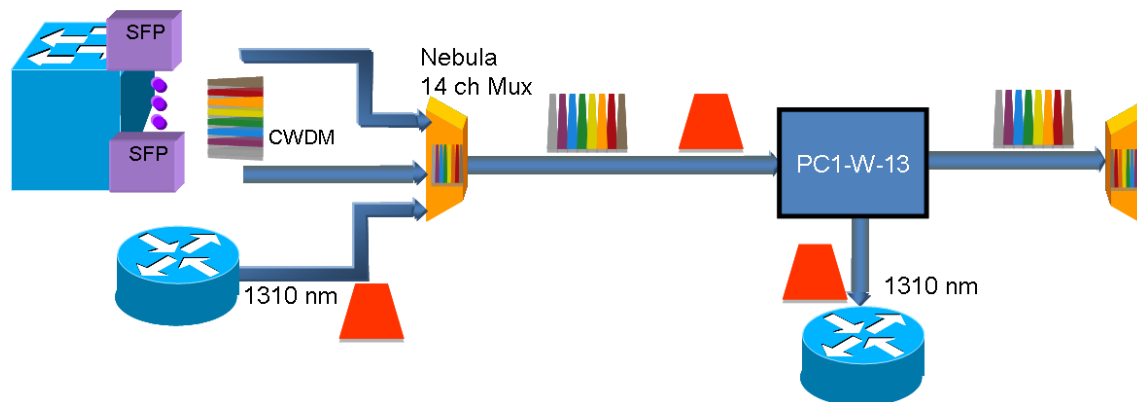


Figure 3 - Mixing Legacy Fiber Transport and CWDM