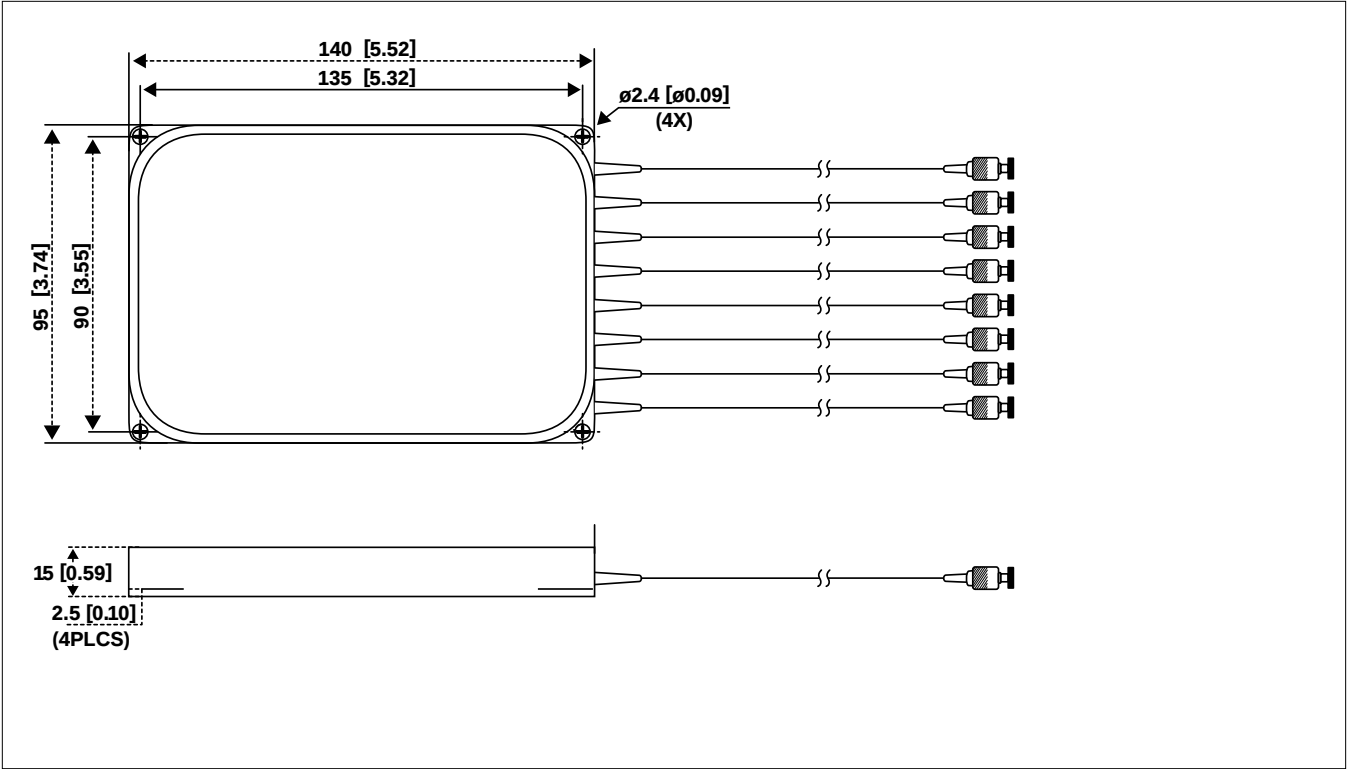


Mechanical Package Drawing



Order Information

Part Number: PFC 4 008 X X A XXX X X								
Spacing	Channels	Unit	Band	Grade	Starting Fre.	Package	Connector	
4: 200GHz	008	D: DEMUX M: MUX	C L	A	510: 195.1THz 520: 195.2THz	P: Pigtail R: Rack Mount	0: No Connector 1: FC/UPC 2: FC/APC 3: ST/PC 4: SC/PC 5: SC/APC 6: LC	



AVANEX®
www.avanex.com
Nasdaq: AVNX

Corporate Headquarters
40919 Encyclopedia Circle
Fremont, CA 94538 USA
Telephone 510-897-4188
Fax 510-897-4189

Richardson Technology Center
1801 North Glenville Drive
Richardson, TX 75081 USA
Telephone 972-581-3100
Fax 972-581-3106

PowerFilter™
Wavelength Separator

8 Channel Wavelength Channel Separator
PFC Series

Avanex PFC Series 8-channel module uses proven interference filter technology to provide 200 GHz channel spacing dense WDM MUX/DEMUX function with low insertion loss, low ripple passband, and high channel isolation.

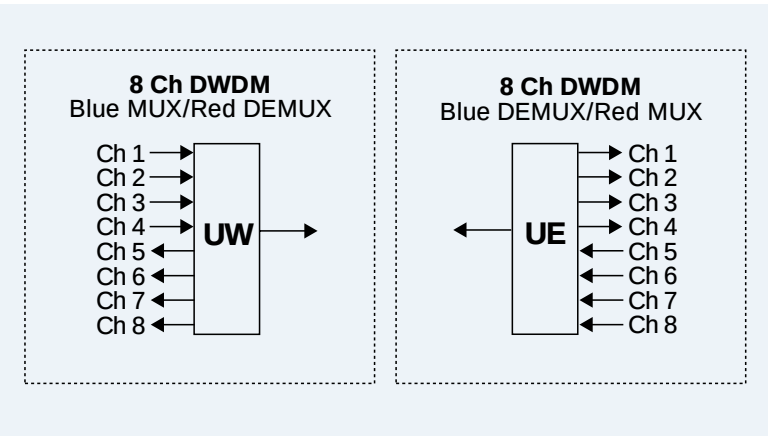
Features

- 200 GHz Channel Spacing
- 8 Channel Bi-directional MUX/DEMUX
- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free Optical Path
- Excellent Stability and Reliability

Applications

- 4 Channel DWDM MUX
- 4 Channel DWDM DEMUX
- 200 GHz Channel DWDM Add/Drop

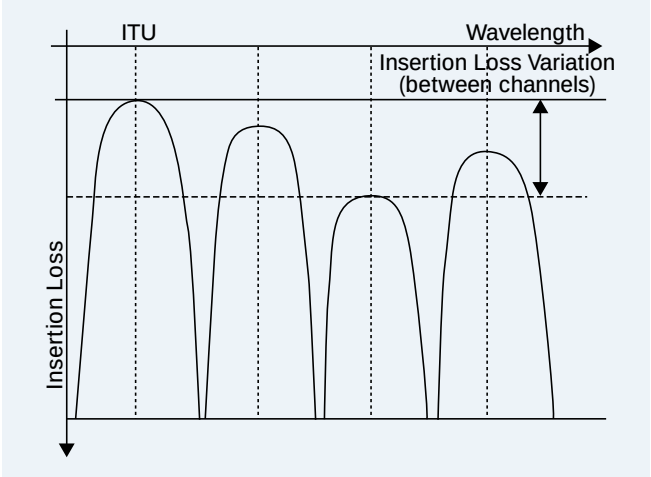
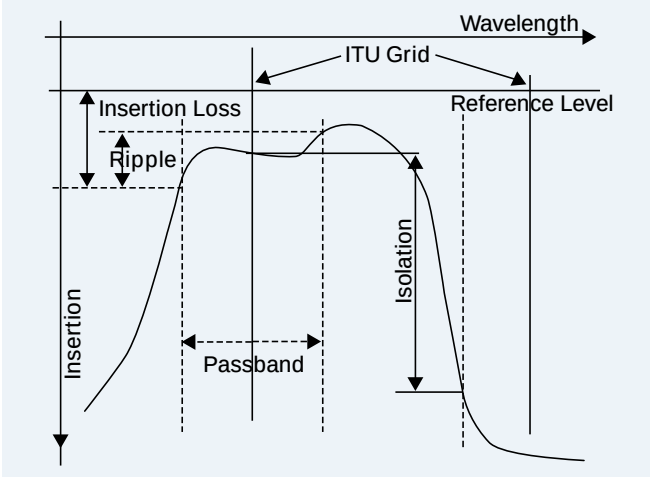
Functional Diagram



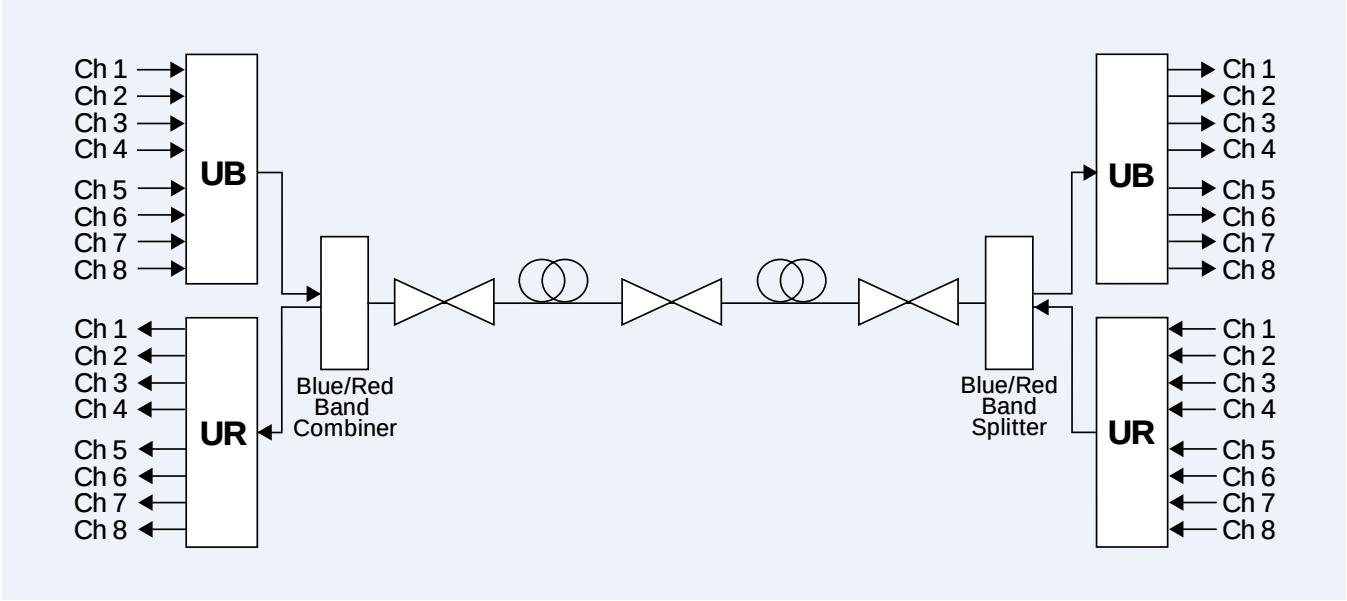
Specifications

Parameters		Specifications		
		Min	Typ	Max
Channel Number		8 Channels, 200 GHz (1.6 nm) Spacing		
Channel Center Wavelength λ_c (nm)	ITU Grid (C Band)	1528 - 1565		
	ITU Grid (L Band)	1570 - 1610		
Channel Passband (nm)	- 0.5 dB Bandwidth	$\lambda \pm 0.2$		
		$\lambda \pm 0.45$		
Insertion Loss (dB)	Common ↔ Port 1 – Port 8		MUX: 3.0 DEMUX: 3.5	MUX: 3.5 DEMUX: 4.0
	Common ↔ Upgrade Port		MUX: 3.0 DEMUX: 3.5	MUX: 3.5 DEMUX: 4.0
Insertion Loss Variation (dB)	Between Channels		± 0.5	± 1.5
	Within Channel Passband		± 0.2	± 0.25
Isolation (dB)	Adjacent Channels	MUX: 15 DEMUX: 25		
	Non-Adjacent Channels	MUX: 15 DEMUX: 35		
Polarization Dependent Loss (dB)	Within Channel Passband			0.1
Polarization Mode Dispersion (ps)	Within Channel Passband			0.2
Return Loss (dB)	All Ports	45	55	
Directivity (dB)	Ch1, ...Ch 16 Ports	65	70	
Optical Power Handling (dBm)		24		
Operating Temperature (°C)		0		65
Storage Temperature (°C)		-40		85
Connector Type		SC/UPC		
Package Dimension (mm)		Pigtail Package: 140 (L) x 95 (W) x 15 (H)		

Definition of Parameters



Application Configuration



Key Performance

