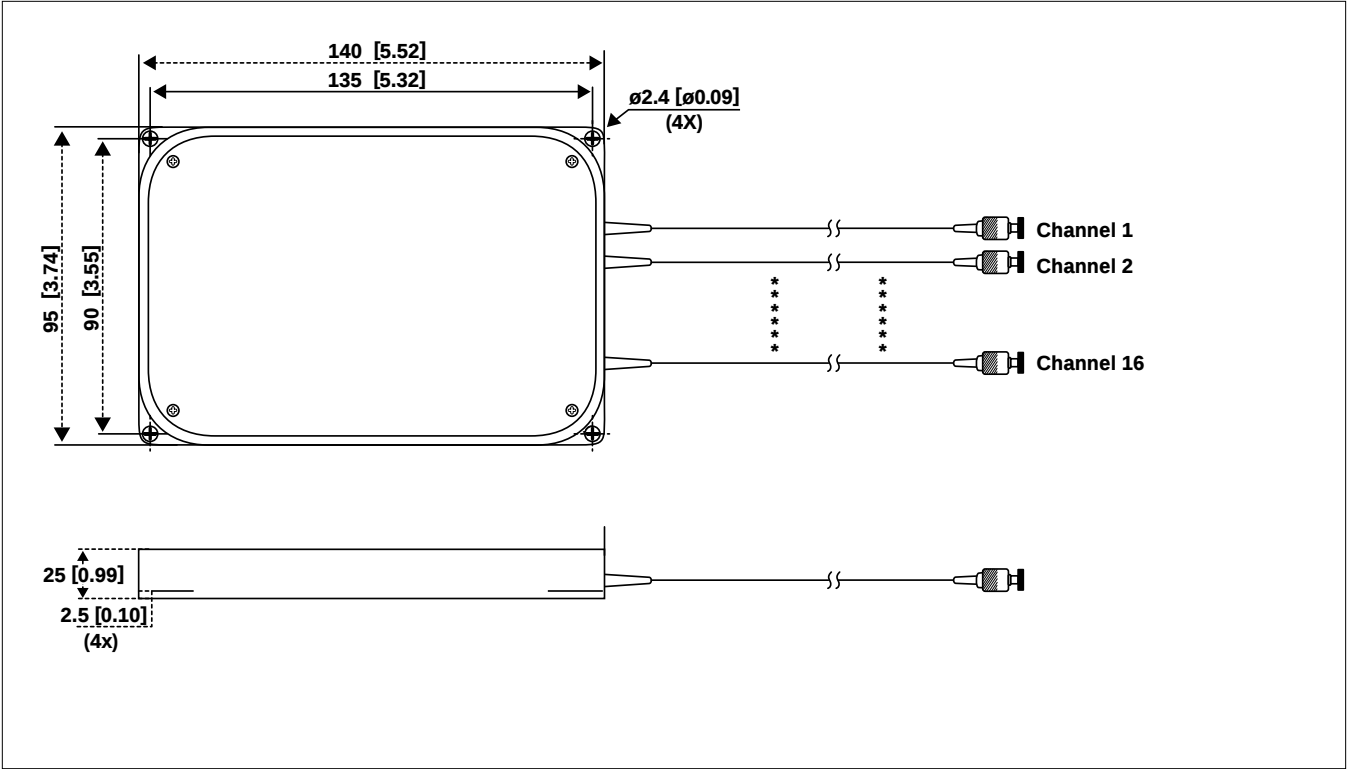


Mechanical Package Drawing



Order Information

Part Number:	PFC	4	016	X	X	A	XXX	X	X
Spacing	Channels	Unit	Band	Grade	Starting Fre.	Package	Connector		
4: 200GHz	016	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		

PowerFilter™
Wavelength Separator

16 Channel Wavelength Channel Separator
PFC Series

Avanex PFC Series 16-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.

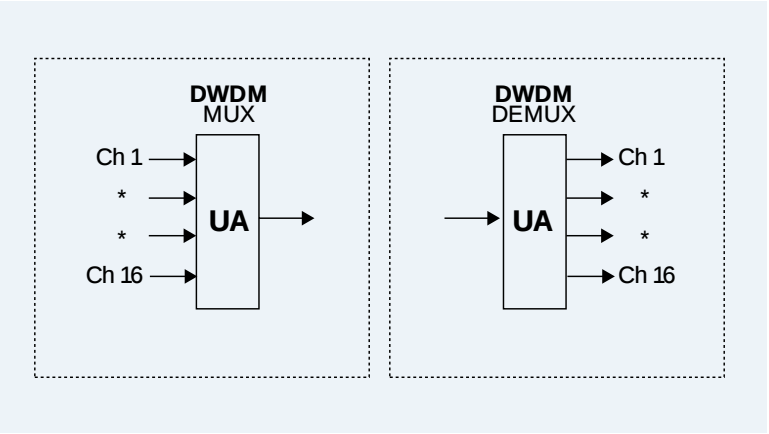
Features

- 200 GHz Channel Spacing
- 16 Channel Module
- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free Optical Path
- Excellent Stability and Reliability

Applications

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

Functional Diagram



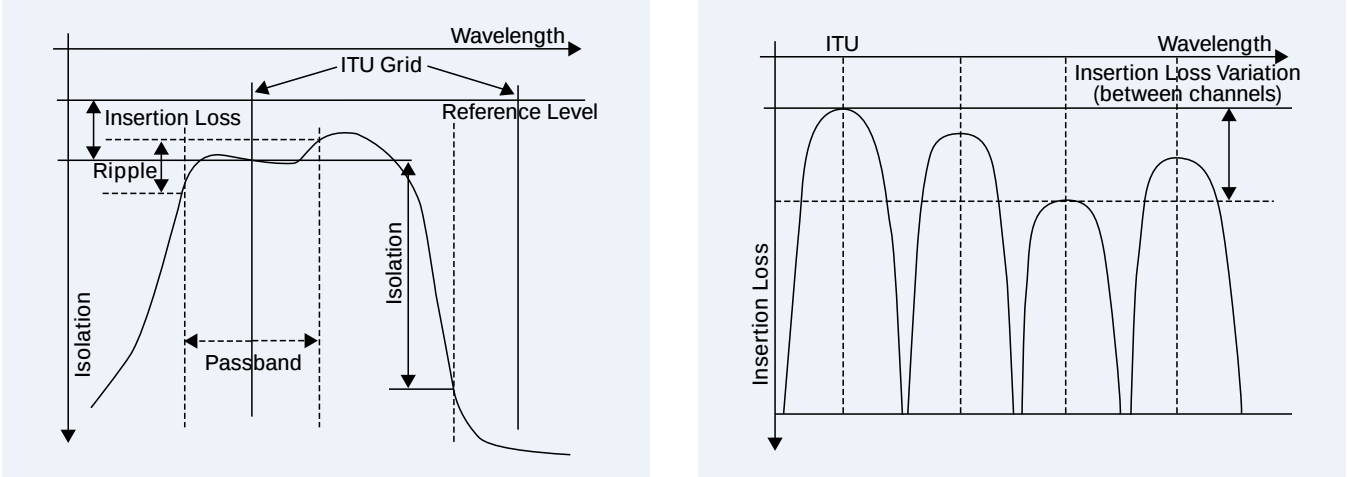
PowerFilter™ Wavelength Separator/ *Data Sheet*

Parameters		Specifications		
		Min	Typ	Max
Channel Number		16 Channels, 200 GHz Spacing		
Channel Center Wavelength λ_c (nm)	ITU Grid (C Band)	1528 - 1565		
	ITU Grid (L Band)	1570 - 1610		
Channel Passband (nm)	- 1.0 dB Bandwidth	$\lambda_c \pm 0.2$		
	- 3.0 dB Bandwidth	$\lambda_c \pm 0.25$		
Insertion Loss (dB)	Ch1, ...Ch 16↔Common		4.5	5.0
Insertion Loss Variation (dB)	Between Channels		± 1.0	± 1.5
	Within Channel Passband		± 0.2	± 0.5
Cross-Talk (dB)	Between Channels*		-32	-25
	Total Cross-Talk		-23	-21
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		LC or SC		
Package Dimension (mm)		140 (L) x 95 (W) x 25 (H)		

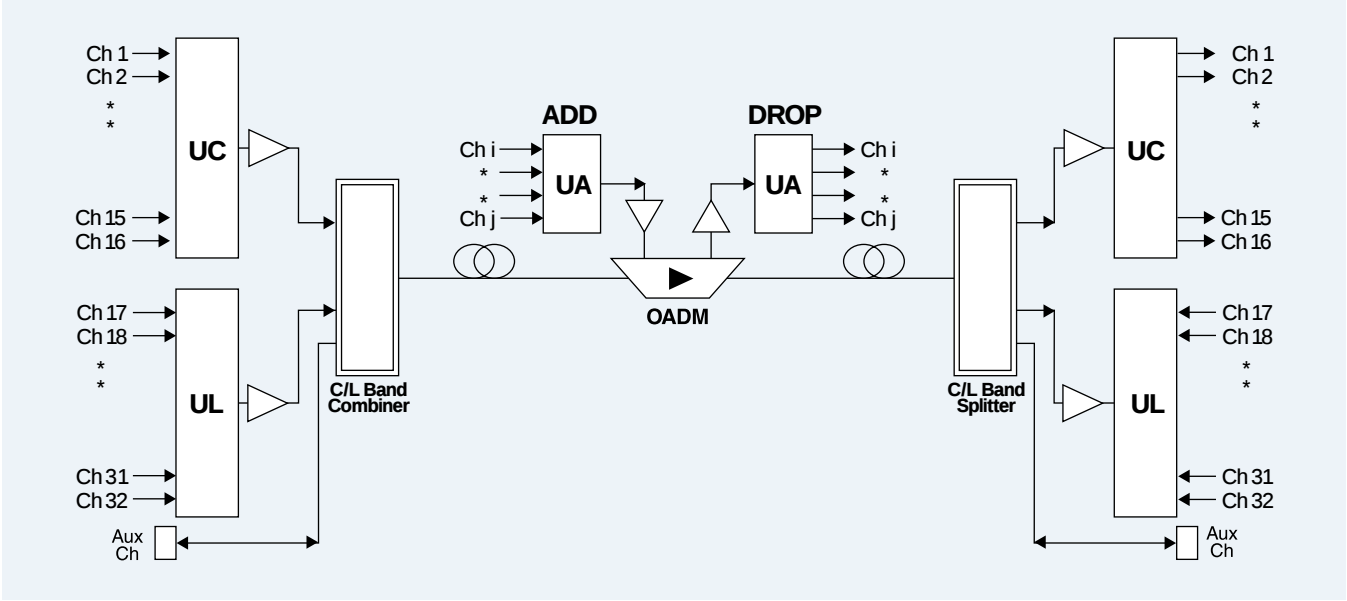
Data Sheet



Definition of Parameters



Application Configuration



Key Performance

