

Features

- Low insertion loss
- High channel isolation
- Low polarization dependent loss
- Exceptional reliability and stability



Applications

- Access networks
- Long-haul WDM systems
- Metro WDM systems
- Enterprise networks

Product Description

Primanex single channel add/drop modules demonstrate low loss, temperature insensitivity, and reliable performance in any system application, and are available for ITU channel spacing of 100 and 200 GHz.

Fixed add/drop modules offer low-cost wavelength management solutions that are suitable for metro and access applications. Easily customizable, these devices are configured by number of channels for any customer-specific channel plan.

Established volume capability and proven experience in customizing fiber optic components and modules make Primanex the supplier of choice.

Specifications

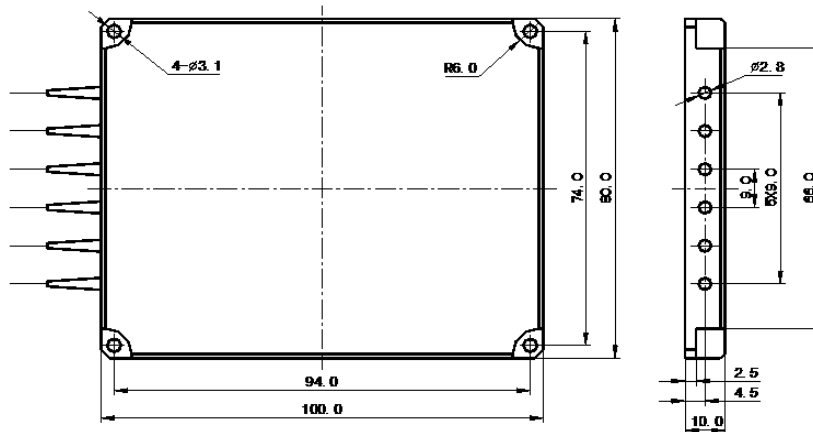
Item	Unit	Parameters		Notes
Channel Spacing	GHz	100	200	
Wavelength Range	nm	C, L, or C+L band		
Channel Centers	nm	ITU		
Pass Band Width	GHz	≥ +/- 12.5	≥ +/- 33	
Pass Band Ripple	dB	≤ 0.5		
Add/Drop Insertion Loss (single-λ)	dB	≤ 1.1		
Add/Drop Insertion Loss (dual-λ)	dB	≤ 1.8		
Express Insertion Loss (single-λ)	dB	≤ 0.9		
Express Insertion Loss (dual-λ)	dB	≤ 1.4		
Drop Isolation (adj channel)	dB	≥ 30		
Drop Isolation (non-adj channel)	dB	≥ 50		
Express Isolation	dB	≥ 25		
Polarization Dependent Loss	dB	≤ 0.2		
Polarization Mode Dispersion	ps	≤ 0.2		
Directivity	dB	≥ 50		
Return Loss	dB	≥ 45		
Optical Power Handling	mW	≤ 500		
Operating Temperature Range	°C	-5 to 70		
Storage Temperature Range	°C	-40 to +85		
Fiber Type	NA	SMF-28e+		Other fiber is optional
Package Dimension	mm	100×80×10		ABS

*. All the specifications are based on the devices without connector, and guaranteed over wavelength, polarization and temperature.

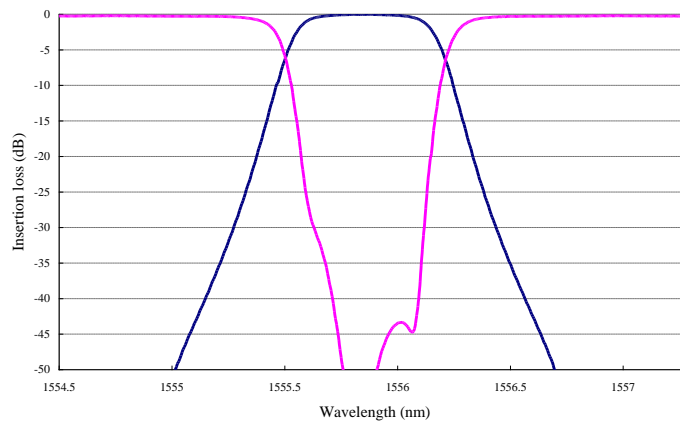
**.. Specifications are subject to change without notice.



Dimensions Drawing (mm)



Spectral Plot 100GHz coupler



Ordering Information(Example:ADMD-1FC3410120)

Channel Spacing	Channel Frequency Code	Code Channel Number	Fiber Length	Connector Type
1. 100 GHz	Provided by Primanex upon customer confirmation	101、Single Channel	1. 0.5 +/- 0.1 m	0. No Connector
2. 200 GHz		202、Dual Channel	2. 1.0 +/- 0.1 m	1. FC/UPC
		909、Custom	3. Others	2. FC/APC
				3. SC/UPC
				4. SC/APC
				5. Others

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