

Features

- Wide and flat passband (+/-20nm)
- High channel isolation
- Low insertion loss
- Low polarization dependant loss
- Exceptional reliability and stability



Applications

- Metro network
- Access network
- Enterprise network

Product Description

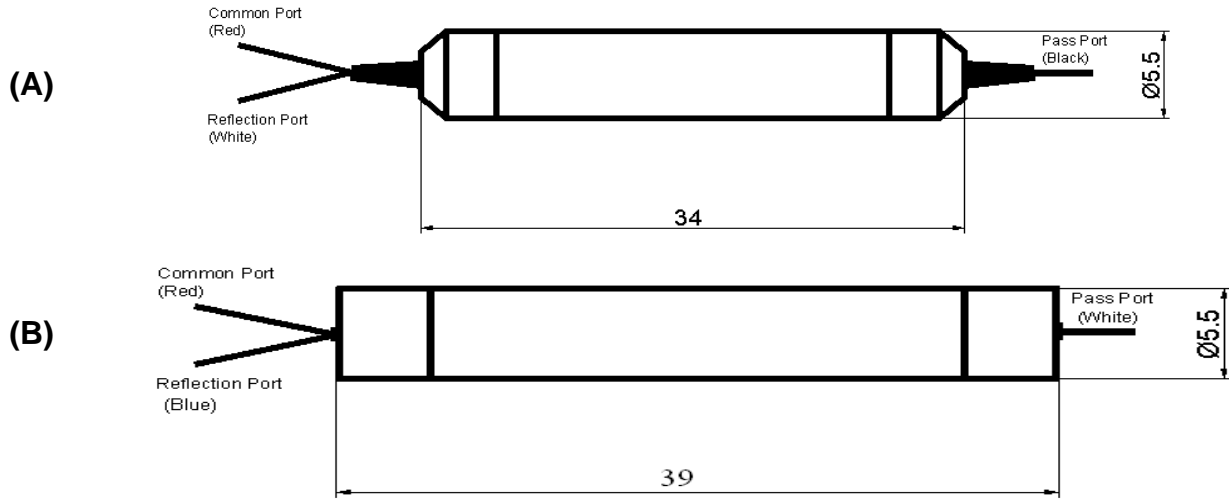
Primanex 1310 /1550 /1625 Extend-WDM 3-port components are based on mature thin-film filter techniques, and provide flat and wide passband, high channel isolation, very low insertion loss and exceptional reliability and stability. The components are well suited for the low-cost lasers without cooling, and can tolerate substantial laser wavelength drift without degrading system performances.

Specifications

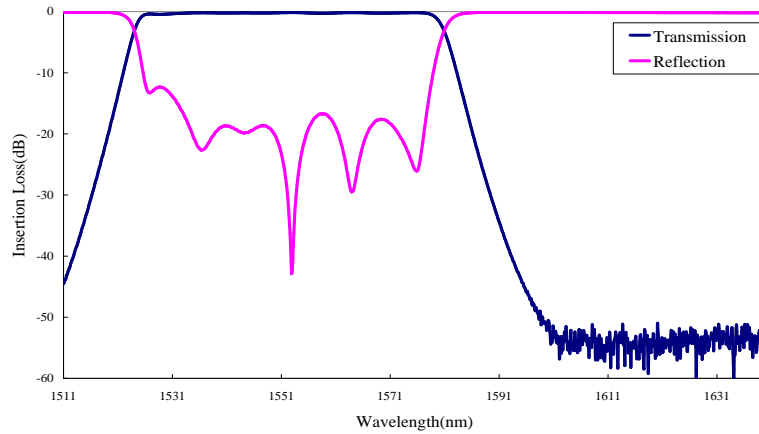
Item	Unit	Parameters	Notes
Operating Wavelength Range	nm	1260 ~ 1650	
Center Wavelength (λ_c)	nm	1310 /1550 /1625	
Channel Passband	nm	$\geq \pm 20$	
Reflect Band	nm	1260 to λ_c-40 , and λ_c+40 to 1650	
Passband Flatness	dB	≤ 0.30	
Transmission Insertion Loss	dB	≤ 0.60	
Transmission Isolation	dB	≥ 30	
Reflection Insertion Loss	dB	≤ 0.40	
Reflect Band Flatness	dB	≤ 0.30	
Reflection Isolation	dB	≥ 14	High isolation(28 dB)is optional
PDL	dB	≤ 0.1	
PMD	ps	≤ 0.2	
Directivity	dB	≥ 50	
Return Loss	dB	≥ 45	
Max Optical Power	mW	500	
Tensile Load	N	≥ 5	
Thermal Stability	dB/ $^{\circ}$ C	≤ 0.005	
Operating Temperature Range	$^{\circ}$ C	-5 to 70	
Storage Temperature Range	$^{\circ}$ C	-40 to +85	
Fiber Type	NA	SMF-28e+	Other fiber type is optional
Package Dimension	mm	$\Phi 5.5 \times 34$ (A)	250 μ m bare fiber
	mm	$\Phi 5.5 \times 39$ (B)	900 μ m loose tube

- *. All the specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.
 **. PMD and chromatic dispersion values are guaranteed by design.
 ***. Specifications are subject to change without notice

Dimensions Drawing(mm)



Spectral Plot (dB)



Ordering Information(Example:EWMS-1FS120)

EWMS -	F	S		
Channel Plan	Fiber Type	Fiber Length	Connector Type	
1. 1310 nm	1. 250µm fiber	1. 0.5 +/- 0.1 m	0. No Connector	
2. 1550 nm	2. 900µm fiber	2. 1.0 +/- 0.1 m	1. FC/UPC	
3. 1625 nm	3. Others	3. Others	2. FC/APC	
			3. SC/UPC	
			4. SC/APC	
			5. LC/PC	
			6. MU/PC	
			7. Others	

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