

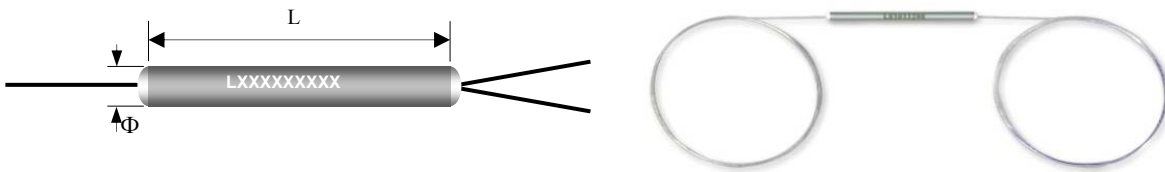
1x2(2x2) Single Mode WDM

Description

980/1550nm and 1480/1550nm WDM are widely used in EDFA, Which can combine the pump power and optical signal into the Er-fiber.

1310/1550 WDM can be used to combine or split 1310nm and 1550nm optical signals, which double the fiber transmission capability and ensure bi-direction communication in a single fiber.

Mechanical Dimension



Specifications

Parameter		Type	980/1550nm WDM				1310/1550nm WDM and HWDM				1480/1550nm WDM	
			Normal		Mixed Fiber		Normal		Monolithic High Isolation		1480/1550	
Fiber	Common port & Pump Port	Corning HI1060flex or OFS BF05635-02				SMF-28e						
	Signal Port	Corning HI1060flex or OFS BF05635-02		Corning SMF-28e								
Operating wavelength (nm)		980 and 1550				1310 and 1550				1480 and 1550		
Operating bandwidth (nm)		±10/20				±15				±5		
Grade		P	A	P	A	P	A	P	A	P	A	
Insertion loss (dB)		≤0.15	≤0.25	≤0.30	≤0.40	≤0.2	≤0.3	≤0.5	≤0.6	≤0.3	≤0.35	
Isolation (dB)		≥20	≥18	≥20	≥18	≥17	≥16	≥32	≥30	≥15	≥14	
PDL (dB)		≤0.05	≤0.1	≤0.05	≤0.1	≤0.05	≤0.1	≤0.1	≤0.15	≤0.1	≤0.1	
Directivity (dB)		≥55										
Operating temperature (°C)		-40 ~ +85										

* The above specification is without connector

**Other specifications can be made on customer request.

Package Information

Configuration		1×2 or 2×2		
Fiber lead length		1 meter, others on request		
Fiber type		250μm bare fiber	900μm loose tube	900μm/2mm/3mm loose tube
Dimensions (Φ×L)(mm)	980/1550 WDM	Φ3.0×54	Φ3.0×54	90×14×8.5
	1310/1550 WDM	Φ2.4×42		
	1480/1550 WDM	Φ3.0×60	Φ3.0×70	/
	1310/1550 WDM (high isolation)	Φ4.0×75		/

*Other package dimensions can be made on customer request.

Ordering Information

XXX -X-XXX-XXX -X-X-XX/XXX-XX*XX

