

1x2(2x2) Polarization-Insensitive Fused PM Fiber Standard Splitter (Mixer)



Specifications

Parameter	Unit	Premium	A grade	
Port Configuration		1x2 or 2x2		
Central Wavelength	nm	850, 980, 1060, 1310, 1480, 1550		
Bandwidth	nm	± 20		
Excess Loss	Typ.	dB	0.4	0.6
Excess Loss	Max.	dB	0.6	0.8
Polarization Dependent Loss	Max.	dB	0.1	0.2
Polarization Extinction Ratio	Min.	dB	20	17
Return Loss*	Min.	dB	50	
Directivity	Min.	dB	55	
Operating power	Max.	W	2	
Operating Temperature		°C	-10 to +70	
Storage Temperature		°C	-50 to +85	
Package Type	mm	S6	S8	M1

* Test at central wavelength only.

Splitting Ratio & Its Tolerance

Splitting Ratio	Maximum Splitting Ratio Tolerance (%)	
	Premium	A grade
99/1	±0.5	±0.6
95/5	±1.5	±1.7
90/10	±2.2	±2.4
80/20	±2.5	±3.0
70/30	±3.0	±3.7
60/40	±4.0	±5.0
50/50	±5.0	±8.0

Note 1: Insertion loss and return loss don't include connectors.

Note 2: Response time includes contributions from electrically driving circuits; measured between 10% and 90% of maximum attenuation.

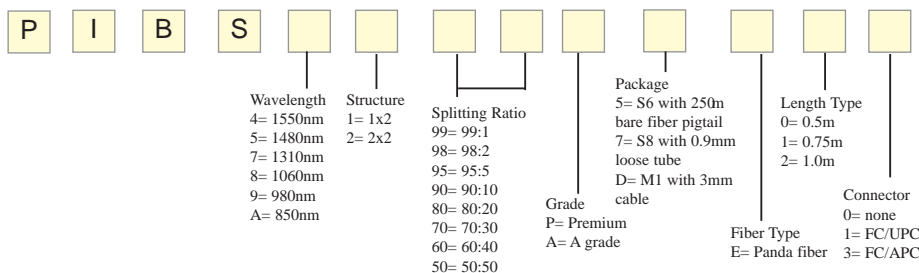
Features / Benefits

- Operating on both on fast and slow axes
- Low excess loss
- Polarization insensitive
- High power handling
- Telcordia GR-1221 compliant test

Applications

- Optical amplifier
- Power monitoring
- Coherent communication
- Fiber gyroscope

Ordering Information



This product information is subject to change without notice.