1x2(2x2) Ultra-Low Ratio Fused PM Fiber Splitter (Mixer)

Product Features

- Low Excess Loss
- High Extinction Ratio
- High Power Handling
- Available for Slow or Fast Axis Operation
- Telcordia GR-1221 Compliant Test

Product Applications

- Optical Amplifier
- Power Monitoring
- Coherent Communication
- Fiber Gyroscope

Specifications

Parameter		Unit	Premium	A grade	Premium	A grade
Port Configuration			1x2 or 2x2			
Central Wavelength		nm	780, 830, 980, 1030, 1064		1310, 1480, 1550, 2000	
Bandwidth		nm	±20			
Insertion Loss for Through Port	Max.	dB	0.3	0.4	0.2	0.3
Insertion Loss for 0.1% Tap Port		dB	30±3	30±3	30±3	30±3
Insertion Loss for 0.01% Tap Port		dB	40±4	40±4	40±4	40±4
Insertion Loss for 0.001% Tap Port		dB	50±5	50±5	50±5	50±5
Polarization Extinction Ratio (Through Port)	Min.	dB	18	15	20	17
Return Loss*	Min.	dB	55	50	55	50
Operating power	Max.	W	2			
Operating Temperature		°C	-40 to +85			
Storage Temperature		°C	-50 to +85			
Package Type		mm	S5=Ø3x40 / S6=Ø3x54 / S8=Ø3x70 / M1=9x16x90			

All specifications are before connectors. PER is 2dB lower and EL is 0.2dB higher after connectors.

**Test at central wavelength only. There would be an unused termination port around 20cm for 1x2 version.*

Ordering Information

P	L	S	T										
Wavelength 4=1550nm 5=1480nm 7=1310nm 8=1064nm R=1030nm 9=980nm A=850nm K=830nm L=780nm P=2000nm S=Specify	Structure 1=1x2 2=2x2	Splitting Ratio 01=0.1% 02=0.01% 03=0.001%		Grade P=Premium A=A grade	Package 4=S5 with 250um bare fiber pigtail 5=S6 with 250um bare fiber pigtail 7=S8 with 0.9mm loose tube D=M1 with 3mm cable	Fiber Type E=Panda fiber L=Large mode area panda fiber	Fiber Length 0=0.5m 1=0.75m 2=1.0m 3=1.5m 4=2.0m S=Specify	Connector 0=None 1=FC/PC 2=FC/SPC 3=FC/APC 7=FC/UPC	

Note: 1. Central Wavelength can be customized for different applications.
2. All specifications are subject to change without notice.
3. All data are measured at central wavelength at room temperature.

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