

1x2(2x2) 80µm Fused PM Fiber Splitter



Product Features

- Compact Size
- Low Excess Loss
- 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	Ultra-P	Premium	A grade	Ultra-P	Premium	A grade
Port Configuration			1x2 or 2x2					
Central Wavelength		nm	780, 830, 850, 980, 1030, 1064			1310, 1480, 1550, 2000		
Bandwidth		nm	±20					
Excess Loss	Typ.	dB	0.4	0.6	0.8	0.2	0.4	0.7
Excess Loss	Max.	dB	0.6	0.8	1.0	0.35	0.6	0.9
Polarization Extinction Ratio	Min.	dB	18	17	15	20	18	16
Return Loss*	Min.	dB	55	55	50	55	55	50
Operating power	Max.	W	2					
Operating Temperature		°C	-40 to +85					
Storage Temperature		°C	-50 to +85					
Package Type		mm	S2=Ø3x25.4/ S3=Ø3x30					

Above PER is for more than 10%(CR) port, it's 2dB lower for no more than 10%(CR) port, and 4dB lower for no more than 5%(CR) port.

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

Splitting Ratio & Its Tolerance

Splitting Ratio	Maximum Splitting Ratio Tolerance (%)		
	Ultra-Premium	Premium	A grade
99/1	±0.3	±0.5	±0.7
98/2	±0.6	±0.8	±1.0
95/5	±1.2	±1.5	±1.7
90/10	±2.0	±2.2	±2.8
80/20	±2.2	±2.5	±3.3
70/30	±2.7	±3.0	±4.5
60/40	±3.5	±4.0	±6.0
50/50	±4.0	±5.0	±8.0

Ordering Information

P	M	C	S								
				Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Fiber Length	Connector
				4=1550nm	1=1x2	99=99:1	U=Ultra- P	1=S2 with	F=80/165µm	0=0.5m	O=None
				5=1480nm	2=2x2	98=98:2	P=Premium	bare fiber	MFD 9.5µm	1=0.75m	
				7=1310nm		95=95:5	A=A grade	pigtail	bare Panda fiber	2=1.0m	
				8=1064nm		90=90:10		2=S3 with	G=80/135µm	3=1.5m	
				R=1030nm		80=80:20		bare fiber	MFD 6.5µm	4=2.0m	
				9=980nm		70=70:30		pigtail	bare Panda fiber	S=Specify	
				A=850nm		60=60:40			H=80/165µm		
				L=780nm		50=50:50			MFD 6.5µm		
				K=830nm		...			bare Panda fiber		
				P=2000nm		...					
				S=Specify		...					

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.