

1x2(2x2) 80um 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	Super-P	Premium	A grade	Super-P	Premium	A grade	
Port Configuration		1x2 or 2x2						
Central Wavelength	nm	780, 830, 980, 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	50	50	45	50	50	45
Directivity*	Min.	dB	55					
Operating power	Max.	W	2					
Operating Temperature	°C	-40 to +85						
Storage Temperature	°C	-50 to +85						
Package Type	mm	S3						

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.

Splitting Ratio & Its Tolerance

Splitting Ratio	Maximum Splitting Ratio Tolerance (%)		
	Super-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 5=1480nm 7=1310nm 8=1064nm 9=980nm L=780nm K=830nm P=2000nm S=Specify	1=1x2 2=2x2	99=99:1 98=98:2 95=95:5 90=90:10 80=80:20 70=70:30 60=60:40 50=50:50	S=Super P P=Premium A=A grade	2=S3 with 165um bare fiber pigtail	F= 80/165 um bare Panda fiber	0=0.5m 1=0.75m 2=1.0m S=Specify	0=None

Note: 1. Central Wavelength can be customized for different applications.
2. All specifications are subject to change without notice.