

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



Product Features

- Operating on both Fast and Slow Axis
- Low Excess Loss
- Polarization-Insensitive
- High Power Handling
- 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, 1064		1310, 1480, 1550, 2000		
Bandwidth	nm	±20				
Excess Loss	Typ.	dB	0.6	0.8	0.4	0.6
Excess Loss	Max.	dB	0.8	1.0	0.6	0.8
Polarization Dependent Loss	Max.	dB	0.1	0.2	0.1	0.2
Polarization Extinction Ratio	Min.	dB	18	15	20	17
Operating power	Max.	W	2			
Operating Temperature		°C	-40 to +85			
Storage Temperature		°C	-50 to +85			
Package Type		mm	S6 / S8 / M1			

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.

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

Splitting Ratio & Its Tolerance

Splitting Ratio	Maximum Splitting Ratio Tolerance (%)	
	Premium	A grade
99/1	±0.5	±0.6
98/2	±0.8	±1.0
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	±7.0

Ordering Information

P	I	N	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	P=Premium A=A grade	5=S6 with 250um bare fiber pigtail 7=S8 with 0.9mm loose tube D=M1 with 3mm cable	E=Panda fiber L=Large mode area panda fiber	0=0.5m 1=0.75m 2=1.0m S=Specify	0=None 1=FC/PC 2=FC/APC 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.