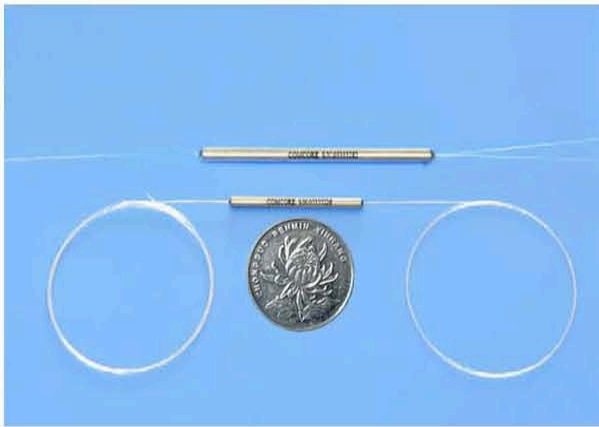


1x2(2x2) Compact Fused PM Fiber Splitter (Mixer)



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			
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 Extinction Ratio	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	S1= Ø2.4x25 / S2=Ø3x25.4 / S4=Ø3x35 / S5= Ø3x40 / S6=Ø3x54 S1 and S2 is only available for the splitter with 1310nm or 1550nm wavelength.			

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.

*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 (%)	
	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	±4.8
50/50	±5.0	±6.0

Ordering Information

P	M	C	S								
				Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Fiber Length	Connector
				4=1550nm	1=1x2	98=99:1	P=Premium	0=S1 with 250µm	E=Panda fiber	0=0.5m	0=None
				5=1480nm	2=2x2	98=98:2	A=A grade	1=S2 with 250µm	L=Large mode	1=0.75m	1=FC/PC
				7=1310nm		95=95:5		bare fiber pigtail	area panda	2=1.0m	2=FC/SPC
				8=1064nm		90=90:10		bare fiber pigtail	fiber	3=1.5m	3=FC/APC
				R=1030nm		80=80:20		3=S4 with 250µm		4=2.0m	3=FC/APC
				9=980nm		70=70:30		bare fiber pigtail		4=2.0m	7=FC/APC
				L=780nm		60=60:40		4=S5 with 0.9mm		4=2.0m	7=FC/APC
				K=830nm		50=50:50		loose tube			
				P=2000nm		...		5=S6 with 0.9mm			
				S=Specify		...		loose tube			

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.