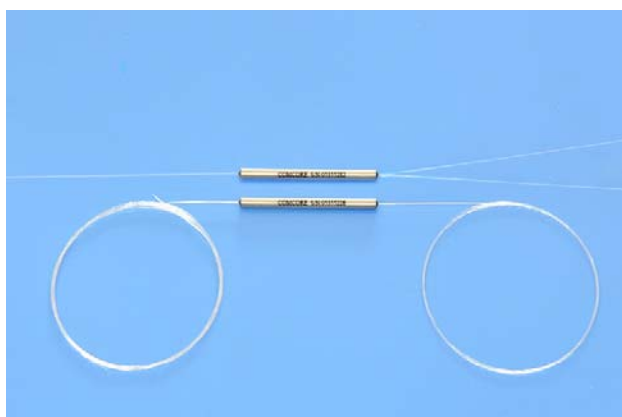


1x2(2x2) Polarization-Insensitive Fused PM Fiber Splitter (Mixer)



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		Premium	A grade	Premium	A grade
Port Configuration		1x2 or 2x2					
Central Wavelength	nm	450~550	620~685	780~1064		1310~ 2000	
Bandwidth	nm	±20					
Excess Loss	Typ. dB	1.2	1.0	0.6	0.8	0.4	0.6
Excess Loss	Max. dB	1.6	1.4	0.8	1.0	0.6	0.8
Polarization Dependent Loss	Max. dB	0.2	0.2	0.1	0.2	0.1	0.2
Polarization Extinction Ratio	Min. dB	15	15	18	15	20	17
Return Loss*	Min. dB	55	55	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					

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	±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	1=1x2	99=99:1	P=Premium	4=S5 with	E=Panda fiber	0=0.5m	0=None
				5=1480nm	2=2x2	98=98:2	A=A grade	250µm bare	L=Large mode	1=0.75m	1=FC/PC
				7=1310nm		95=95:5		fiber pigtail	area panda	2=1.0m	2=FC/SPC
				8=1064nm		90=90:10		5=S6 with	fiber	3=1.5m	3=FC/APC
				R=1030nm		80=80:20		250µm bare		4=2.0m	7=FC/UPC
				9=980nm		70=70:30		fiber pigtail		S=Specify	
				A=850nm		60=60:40		7=S8 with			
				K=830nm		50=50:50		0.9mm loose			
				L=780nm		...		tube			
				I=685nm		...		D=M1 with			
				E=650nm				3mm cable			
				B=633nm							
				C=532nm							
				D=450nm							
				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.