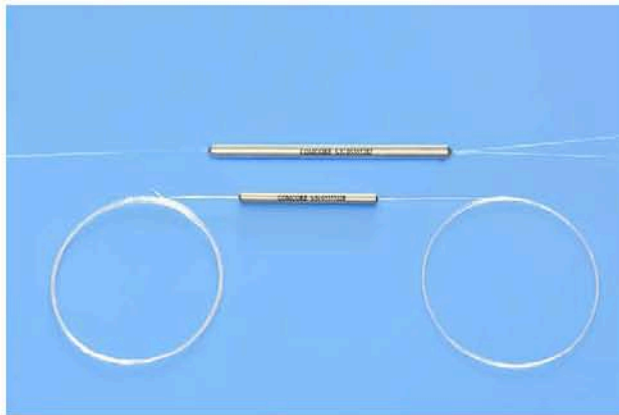


1x2(2x2) Compact Polarization-Insensitive Fused PM Fiber Splitter



Product Features

- Low Excess Loss
- High Extinction Ratio
- High Power Handling
- Operating on both Fast and Slow Axis
- 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.	0.6	0.8	0.4	0.6
Excess Loss	Max.	0.8	1.0	0.6	0.8
Polarization Extinction Ratio	Min.	18	15	20	17
Return Loss*	Min.	55	50	55	50
Operating power	Max.	2 W			
Operating Temperature	°C	-40 to +85			
Storage Temperature	°C	-50 to +85			
Package Type	mm	S4=Ø3x35 / S5=Ø3x40 / S6=Ø3x54			

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	I	C	S								
				Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Fiber Length	Connector
				4=1550nm	1=1x2	99=99:1	P=Premium	3= S4 with	E=Panda fiber	0=0.5m	0=None
				5=1480nm	2=2x2	08=08:2	A=A grade	250µm bare	L=Large mode	1=1.0m	1=F C/PC
				7=1310nm		95=95:5		fiber pigtail	area panda	2=1.5m	2=F C/SPC
				8=1064nm		90=90:10		4= S6 with	fiber	3=1.5m	3=F C/APC
				R=1030nm		80=80:20		0.9mm loose		4=2.0m	4=F C/U/PC
				9=980nm		70=70:30		tube		5=Specify	
				L=780nm		60=60:40		5= S6 with			
				K=830nm		50=50:50		0.9mm loose			
				P=2000nm		...		tube			
				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.