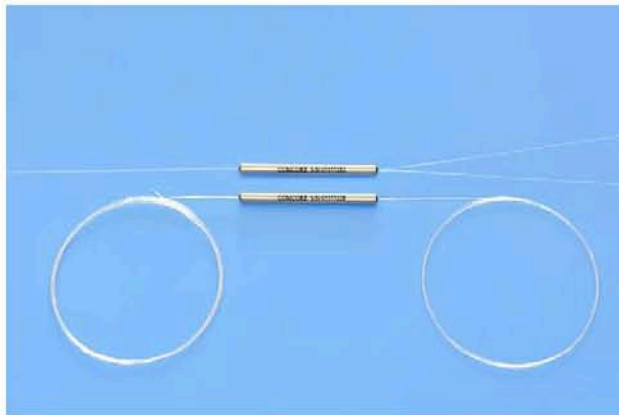


1x2(2x2) Polarization-Insensitive Fused PM Fiber Splitter (Mixer)



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=1560nm 5=1480nm 7=1310nm 8=1064nm R=1030nm 9=980nm A=850nm K=830nm L=780nm I=685nm E=600nm B=633nm C=532nm D=450nm 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	4= S5 with 250µm bare fiber pigtail 5= S8 with 250µm 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 3=1.5m 4=2.0m S=Specify	0=None 1=F C/PC 2=F C/SPC 3=F C/APC 7=F C/U/PC		

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.