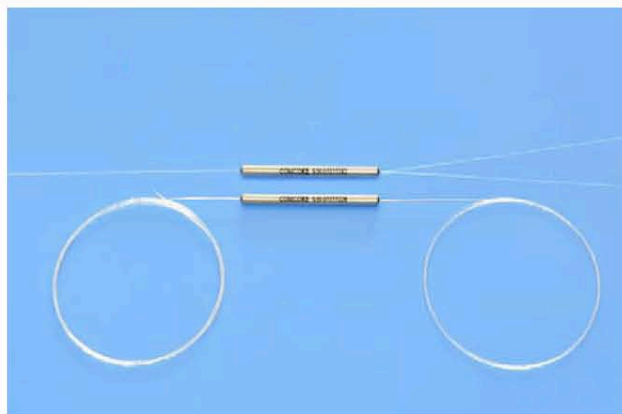


# 1x2 Polarization-Insensitive Fused PM Fiber Broadband Splitter



## 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			Splitting Ratio: 50:50	
Parameter	Unit		Premium	A grade
Port Configuration			1x2	
Central Wavelength	nm		1310, 1480, 1550, 2000	
Bandwidth	nm		±40	
Excess Loss	Typ.	dB	0.4	0.6
Excess Loss	Max.	dB	0.6	0.8
Polarization Dependent Loss	Max.	dB	0.1	0.2
Polarization Extinction Ratio	Min.	dB	20	17
Return Loss*	Min.	dB	55	50
Splitting Ratio Tolerance	Max.	%	±5	±7
Operating power	Max.	W	2	
Operating Temperature		°C	-40 to +85	
Storage Temperature		°C	-50 to +85	
Package Type	mm		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.

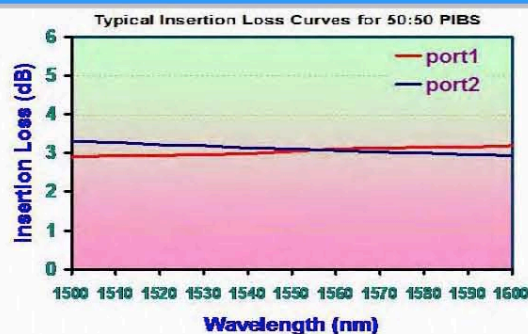
All specifications are before connectors. PER is 2dB lower and EL is 0.2dB higher after connectors.

\*Test at central wavelength only. There would be an unused termination port around 20cm.

## Splitting Ratio & Its Tolerance

Splitting Ratio	Maximum Splitting Ratio Tolerance (%)	
	Premium	A grade
70/30	±3.0	±4.7
60/40	±4.0	±5.8

## Typical Spectrum



## Ordering Information

P	I	B	S		1							
Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Fiber Length	Connector					
4=1550nm 5=1480nm 7=1310nm P=2000nm S=Specify	1=1x2	50=50:50 60=60:40 70=70:30 ..... .....	P=Premium A=A grade	5=S6 with 250µm bare fiber pigtail 7=S8 with 0.9mm loose tube D=M1 with 3mm cable	E=Panda fiber	0=0.5m 1=0.75m 2=1.0m 3=1.5m 4=2.0m 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.  
3. All data are measured at central wavelength at room temperature.