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

Product Features

- Operating on both Fast and Slow Axes
- 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	A grade	Premium	A grade
Port Configuration			1x2 or 2x2			
Central Wavelength		nm	633,780,830,980,1064		1310,1480,1550	
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 Dependent Loss	Max.	dB	0.1	0.2	0.1	0.2
Polarization Extinction Ratio	Min.	dB	18	15	20	17
Return Loss*	Min.	dB	50	45	50	45
Directivity	Min.	dB	55			
Operating power	Max.	W	2			
Operating Temperature		°C	-40 to +85			
Storage Temperature		°C	-50 to +85			
Package Type		mm	S6 / S8 / M1			

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.*

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 4=1550nm 5=1480nm 7=1310nm 8=1064nm 9=980nm B=633nm L=780nm K=830nm	Structure 1=1x2 2=2x2	Splitting Ratio 99=99:1 98=98:2 95=95:5 90=90:10 80=80:20 70=70:30 60=60:40 50=50:50		Grade P=Premium A=A grade	Package 5=S6 with 250um bare fiber pigtail 7=S8 with 0.9mm loose tube D=M1 with 3mm cable	Fiber Type E=Panda fiber	Fiber Length 0=0.5m 1=0.75m 2=1.0m	Connector 0=None 1=FC/PC 2=FC/SPC 3=FC/APC 7=FC/UPC

Note: 1.All specifications are before connectorization.
2.Central Wavelength can be customized for different applications.
3.All specifications are subject to change without notice.

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