

1x2(2x2) Fused PM Fiber Standard Coupler (Mixer)

Product Features

- Low Excess Loss
- High Extinction Ratio, Telcordia GR-1221 Compliant Test
- High Power Handling, Available for Slow or Fast Axis Operation

Product Applications

- Optical Amplifier
- Power Monitoring
- Coherent Communication
- Fiber Gyroscope

Specifications

Parameter		Unit	P	A	P	A
Port Configuration			1X2or 2X2			
Center Wavelength		nm	780, 830, 980, 1064		1310, 1480, 1550, 2000	
Bandwidth		nm	±20			
Excess Loss	Typ.	mm	0.6	0.8	0.2	0.3
Excess Loss	Max.	dB	0.8	1.0	0.4	0.6
Polarization Extinction Ratio	Min.	dB	18	15	20	17
Operating power	Max.	W	2			
Operating Temperature		°C	-40 to +85			
Storage Temperature		°C	-50 to +85			

* 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.

Splitting Ratio & Its Tolerance

Splitting Ratio	Maximum Splitting Ratio Tolerance (%)	
	P	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					
PMC	Wavelength	Grade	Fiber Jacket	Fiber Length	Connector
1X2 2X2	980nm 1310nm 1550nm 1064nm Specify	P remium A Grade	200um Bare Fiber 900um loose tube Specify	0.5m 1m 1.5m 2m Specify	None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify