

1x3 Fused PM Fiber Standard Coupler

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			Splitting Ratio: 33:33:33			
			P	A	P	A
Parameter	Unit					
Port Configuration		1X3				
Center Wavelength	nm	780, 830, 980, 1064		1310, 1480, 1550, 2000		
Bandwidth	nm	±20				
Excess Loss	Typ.	dB	0.6	0.8	0.3	0.5
Excess Loss	Max.	dB	0.8	1.0	0.6	0.8
Polarization Extinction Ratio	Min.	dB	17	15	18	16
Splitting Ratio Tolerance	Max.	%	± 6	± 8	± 6	± 8
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	
	Through Port	Coupling Port	Through Port	Coupling Port
5:90:5	±2.5	±1.5	±3.0	±1.8
10:80:10	±2.8	±1.6	±3.2	±2.0
15:70:15	±3.0	±1.8	±3.5	±2.4
20:60:20	±3.3	±2.0	±3.7	±2.5
25:50:25	±3.5	±2.4	±4.0	±3.0
30:40:30	±4.0	±3.0	±5.0	±4.0
33:33:33	±6.0	±6.0	±8.0	±8.0
35:30:35	±4.0	±5.0	±5.0	±6.0
40:20:40	±5.0	±6.0	±6.0	±7.0

Ordering Information						
PMC	Wavelength	Grade	Splitting Ratio	Fiber Jacket	Fiber Length	Connector
1X3	980nm 1310nm 1550nm 1064nm Specify	P remium A Grade	5:90:5 10:80:10 15:70:15 Specify	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