1x2(2x2) 80um Fused PM Fiber Splitter

Product Features

- Compact Size
- Low Excess Loss
- High Power Handling
- Available for Slow or Fast Axis Operation
- Telcordia GR-1221 Compliant Test

Product Applications

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

Specifications

Parameter		Unit	Super-P	Premium	A grade	Super-P	Premium	A grade
Port Configuration			1x2 or 2x2					
Central Wavelength		nm	780, 830, 980, 1064			1310, 1480, 1550, 2000		
Bandwidth		nm	±20					
Excess Loss	Typ.	dB	0.4	0.6	0.8	0.2	0.4	0.7
Excess Loss	Max.	dB	0.6	0.8	1.0	0.35	0.6	0.9
Polarization Extinction Ratio	Min.	dB	18	17	15	20	18	16
Return Loss*	Min.	dB	50	50	45	50	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	S3					

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.

** Test at central wavelength only.*

Splitting Ratio & Its Tolerance

Splitting Ratio	Maximum Splitting Ratio Tolerance (%)		
	Super-Premium	Premium	A grade
99/1	±0.3	±0.5	±0.7
98/2	±0.6	±0.8	±1.0
95/5	±1.2	±1.5	±1.7
90/10	±2.0	±2.2	±2.8
80/20	±2.2	±2.5	±3.3
70/30	±2.7	±3.0	±4.5
60/40	±3.5	±4.0	±6.0
50/50	±4.0	±5.0	±8.0

Ordering Information

P	M	C	S									
				Wavelength 4=1550nm 5=1480nm 7=1310nm 8=1064nm 9=980nm L=780nm K=830nm P=2000nm S=Specify	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 S=Super P P=Premium A=A grade	Package 2=S3 with 165um bare fiber pigtail	Fiber Type F= 80/165 um bare Panda fiber	Fiber Length 0=0.5m 1=0.75m 2=1.0m S=Specify	Connector 0=None

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

COMCORE