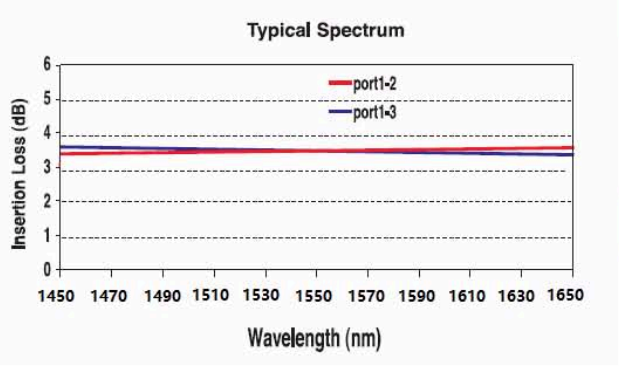
1x2(2x2) 1310nm(1550nm) Single Mode Ultra-Broadband Splitter



Product Features

- Low PDL
- Low Insertion Loss
- High Directivity
- Stable and Reliable

Product Applications

- Optical Communication System
- Optical Testing System
- OCT (Optical Coherence Tomography)
- Optical Power Distributor

Specifications

Splitting Ratio:			50:50	
Parameter		Unit	Premium	A grade
Port Configuration			1x2 or 2x2	
Central Wavelength		nm	1550,1310	
Bandwidth		nm	± 100	
Insertion Loss	Max.	dB	3.6	3.8
Excess Loss	Max	dB	0.15	0.18
Uniformity	Max.	dB	0.7	1.0
PDL	Max.	dB	0.20	0.23
Return Loss*	Min.	dB	55	50
Operating power	Max.	W	5	
Operating Temperature		°C	-40 to +85	
Storage Temperature		°C	-50 to +85	
Package Type		mm	S6	Ø3x54: for bare fiber
			S8	Ø3x70: for 0.9mm loose tube
			M1	9x16x90: for 0.9mm loose tube or 2mm cable or 3mm cable

All specifications exclude the water absorption region centered around 1383 nm.

**Test at central wavelength only. There would be an unused termination port around 20cm for 1x2 version.*

Splitting Ratio & Insertion Loss Conversion Table

Splitting Ratio	Maximum Insertion Loss (dB)			
	Premium		A grade	
	Output Port 1	Output Port 2	Output Port 1	Output Port 2
75:25±3.5	1.6	6.8	2.0	6.9
90:10±2.5	0.7	11.4	0.8	12.0
99:1±0.6	0.2	24.1	0.3	25.0

The other ratios are also available.

Ordering Information

U	B	S												
			Wavelength 4=1550nm 7=1310nm S=Specify	Structure 1=1x2 2=2x2	Splitting Ratio 05=99.5:0.5 99=99:1 98=98:2 97=97:3 96=96:4 95=95:5 ... 50=50:50		Grade P=Premium A=A grade	Package 5=S6 7=S8 D=M1	Fiber Type 1=G652 or Equivalent	Pigtail S=250μm bare fiber M=0.9mm loose tube L=3mm cable R=2mm cable	Fiber Length 0=0.5m 1=0.75m 2=1.0m 3=1.5m 4=2.0m S=Specify	Connector 0=None 1=FC/PC 2=FC/SPC 3=FC/APC 4=SC/SPC 5=SC/APC 6=ST 7=FC/UPC 8=SC/UPC 9=MU A=LC/PC B=SC/PC C=LC/UPC D=LC/APC

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

COMCORE