

1x2(2x2) Single Mode Ultra-Broadband Splitter



Product Features

- Low PDL
- Low Insertion Loss
- Ultra-Broadband
- Stable and Reliable

Product Applications

- Optical Communication System
- Optical Testing System
- Passive Optical Network
- FTTx

Specifications		Splitting Ratio: 50:50	
Parameter	Unit	Premium	A grade
Port Configuration		1x2 or 2x2	
Bandwidth	nm	1310±40 and 1450 to 1605	
Insertion Loss	Max. dB	3.6	4.0
Excess Loss	Typ. dB	0.07	0.1
Uniformity	Max. dB	0.8	1.2
PDL	Max. dB	0.15	0.20
Return Loss*	Min. dB	50	45
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

* >60dB on request for 1x2 structure.

Test at central wavelength only.

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
50:50	3.6	3.6	4.0	4.0
60:40	2.7	4.8	2.9	5.1
70:30	2.0	6.2	2.2	6.6
80:20	1.3	8.0	1.5	8.5
90:10	0.6	11.5	0.8	12.9
95:5	0.4	15.6	0.5	19.2
98:2	0.3	20	0.4	21.5
99:1	0.3	24	0.4	24.6

Ordering Information

U	B	S								
Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Pigtail	Fiber Length	Connector		
M=1310 & 1450 to 1605nm	1=1x2 2=2x2	99=99:1 98=98:2 95=95:5 90=90:10 80=80:20 70=70:30 60=60:40 50=50:50	P=Premium A=A grade	5=S6 7=S8 D=M1	1=SMF-28	S=250um bare fiber M=0.9mm loose tube L=3mm cable R=2mm cable	0=0.5m 1=0.75m 2=1.0m S=Specify	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.