

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	55	50
Operating power	Max. W	5	
Operating Temperature	°C	-40 to +85	
Storage Temperature	°C	-50 to +85	
Package Type	mm	S6	∅3x54: for bare fiber
		S8	∅3x70: for 0.9mm loose tube
		M1	9x16x90: for 0.9mm loose tube or 2mm cable or 3mm cable

*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
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 & 1460 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	6=S6 7=S8 D=M1	1=G652 or Equivalent	S=250µm bare fiber M=0.9mm loose tube L=3mm cable R=2mm cable	0=0.5m 1=0.75m 2=1.0m 3=1.5m 4=2.0m S=Specify	0=None 1=F C/PC 2=F C/SPC 3=F C/APC 4=SC/SPC 5=SC/APC 6=ST 7=F C/U/PC 8=SC/U/PC 9=MU A=LC/PC B=SC/PC C=LC/U/PC 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.