

1x2 (2x2) Single Two-Window Broadband Splitter

Features:

Low PDL
 Low Insertion Loss
 High Directivity
 Stable and reliable

Applications:

Optical Communication System
 Communication System
 Optical Testing System
 Optical Power Distributor

Specifications:

Specification		Splitting Ratio 50:50		
Parameter		Unit	Premium	A grade
Port Configuration			1x2 or 2x2	
Bandwidth		nm	1310+/-40 and 1550+/-40	
Insertion Loss	Max.	dB	3.6	3.9
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	
Operating Temperature		°C	-40 to +85	
Storage Temperature		°C	-50 to +85	
Package Type	mm		S6	Diam. 3x54: for bare fiber
			S8	Diam. 3x70 for 0.9mm loose tube
			M1	10x20x90 for 0.9mm loose tube or 3mm cable

- >60dB on request for 1x2 structure

Splitting Ratio and Insertion Loss Conversion Table				
Splitting Ratio	Maximum Insertion Loss (dB)			
	Premium		A Grade	
Output Port	Output Port 1	Output Port 2	Output Port 1	Output Port 2
50:50	3.6	3.6	3.9	3.9
60:40	2.7	4.7	2.9	5.0
70:30	1.9	6.0	2.1	6.4
80:20	1.2	7.9	1.4	8.5
90:10	0.6	11.3	0.8	12.7
95:5	0.4	15.2	0.5	18.9
98:2	0.3	19.8	0.4	21.0
99:1	0.3	23.5	0.4	24.0

Ordering information:

- Wavelength: 1310 & 1550
- Structure: 1x2, 2x2
- Splitting Ratio: 99:1, 98:2, 95:5, 90:10, 80:20, 70:30, 60:40, 50:50
- Grade: Premium (P), A grade
- Fiber type: SMF-28
- Pigtail: 250um bare fiber, 0.9mm loose tube, 3mm cable
- Fiber length: 0.5m, 1.0m, 1.5m, 2.0m
- Connector: none, FC/PC, FC/APC, ST, customer's request