



1x2(2x2) Single Mode Broadband Splitter

Product Features

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

Product Applications

- Optical Communication System
- Optical Testing System
- Optical Fiber Sensor
- Optical Power Distributor

Specifications			Splitting Ratio		50:50
Parameter		Unit	Premium	A grade	
Port Configuration		nm	1x2 or 2x2		
Bandwidth		nm	±40		
Insertion Loss	Max.	dB	3.4	3.6	
Excess Loss	Typ.	dB	0.07	0.1	
Uniformity	Max.	dB	0.6	1.0	
PDL	Max.	dB	0.1	0.15	
Return Loss*	Min.	dB	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	10x20x90 : for 0.9mm loose tube or 3mm cable	

* >60dB on request for 1x2 structure.

Test at central wavelength only.

Note: All specifications are before connectors and are subject to change without notice.

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	3.4	3.4	3.6	3.6
60:40	2.5	4.4	2.8	4.8
70:30	1.8	5.6	2.0	6.1
80:20	1.1	7.4	1.3	8.0
90:10	0.6	10.8	0.8	12.0
95:5	0.4	14.6	0.5	18.4
96:4	0.3	16.0	0.4	19.0
97:3	0.3	17.5	0.4	19.5
98:2	0.2	19.0	0.3	20.0
99:1	0.2	21.5	0.3	22.0
99.5:0.5	0.2	23.0	0.3	24.0



Ordering Information	
Wavelength	1=1625nm, 2=1590nm, 3=1570nm, 4=1550nm, 5=1480nm, 6=1475nm, 7=1310nm
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, 90=90:10, 80=80:20, 70=70:30, 60=60:40, 50=50:50
Grade	P=Premium, A=A grade
Package	5=S6, 7=S8, D=M1
Fiber Type	1=SMF-28e
Pigtail	S=250um bare fiber, M=0.9mm loose tube, L=3mm cable
Fiber Length	0=0.5m, 1=1.0m, 2=1.5m
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, B=SC/PC,

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