1x2(2x2) Compact Single Mode Narrowband Splitter

Product Features

- Very Compact Size
- Low PDL
- Low Insertion Loss
- High Directivity
- Stable and Reliable

Product Applications

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

Specifications

Specifications			Splitting Ratio:	50:50
Parameter		Unit	Premium	A grade
Port Configuration			1x2 or 2x2	
Bandwidth		nm	±10	
Insertion Loss	Max.	dB	3.4	3.7
Excess Loss	Typ.	dB	0.1	0.15
Uniformity	Max.	dB	0.6	1.0
PDL	Max.	dB	0.1	0.15
Return Loss*	Min.	dB	50	45
Operating power	Max.	W	5	
Operating Temperature		℃	-40 to +85	
Storage Temperature		℃	-50 to +85	
Package Type		mm	S3	Ø3x30 for bare fiber
			S5	Ø3x40 for 0.9mm loose tube

** >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	3.4	3.4	3.7	3.7
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
95:5	0.4	14.6	0.5	18.4
96:4	0.35	16.0	0.45	19.0
97:3	0.3	17.5	0.4	19.5
98:2	0.25	19.0	0.35	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

C	N	S												
			Wavelength	Structure	Splitting Ratio		Grade	Package	Fiber Type	Pigtail	Fiber Length	Connector		
			1=1625nm 2=1590nm 3=1570nm 4=1550nm 5=1480nm 6=1475nm 7=1310nm 8=1064nm 9=980nm A=850nm L=780nm P=2000nm S=Specify	1=1x2 2=2x2	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		P=Premium A=A grade	2=S3 4=S5	1=SMF-28e 5=OFS980-20 6=HI1060 7=HI1060 FLEX 8=OFS 980-16 9=HI780C	S=250um bare fiber M=0.9mm loose tube	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.

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