

1x2(2x2) High Temperature Single Mode Narrowband Splitter



Product Features

- High Sustained Temperature
- Low PDL
- High Directivity
- Stable and Reliable

Product Applications

- Aerospace
- Petroleum Service Systems
- Military Applications
- Special Optical Network

Specifications			Splitting Ratio:		50:50
Parameter		Unit	Premium		A grade
Port Configuration			1x2 or 2x2		
Bandwidth		nm	±10		
Insertion Loss	Max.	dB	3.4		3.6
Excess Loss	Typ.	dB	0.07		0.1
Uniformity	Max.	dB	0.6		1.0
PDL	Max.	dB	0.05		0.1
Return Loss*	Min.	dB	50		
Operating power	Max.	W	5		
Operating Temperature		°C	-40 to +200		
Storage Temperature		°C	-50 to +200		
Package Type		mm	S6	Ø3x54: for bare fiber	

* >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	3.6	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

H	T	S	N	S								
					Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Fiber Length	
					4=1550nm	1=1x2	05=89.5:0.5	P=Premium	5=S6 with	9=High	0=0.5m	
					7=1310nm	2=2x2	99=99:1	A=A grade	bare fiber	Temperature	1=0.75m	
					P=2000nm		98=98:2		pigtail	SMF	2=1.0m	
					S=Specify		97=97:3				S=Specify	
							96=96:4					
							95=95:5					
							...					
							50=50:50					

Note: 1. Central Wavelength can be customized for different applications.
2. All specifications are before connectors and are subject to change without notice.