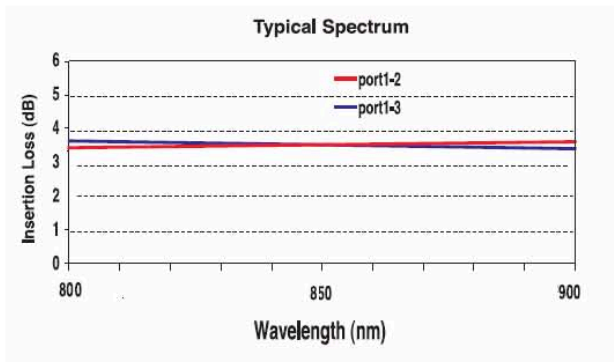


# 1x2(2x2) 850nm (830/780nm) Single Mode Broadband Splitter



## Product Features

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

## Product Applications

- OCT (Optical Coherence Tomography)
- Optical Testing System
- Optical Fiber Sensor
- Optical Power Distributor

Specifications		Splitting Ratio: 50:50	
Parameter	Unit	Premium	A grade
Port Configuration		1x2 or 2x2	
Central Wavelength	nm	830, 850, 780	
Bandwidth	nm	± 50	
Insertion Loss	Max. dB	3.8	3.9
Excess Loss	Max. dB	0.3	0.4
Uniformity	Max. dB	1.0	1.2
PDL	Max. dB	0.20	0.25
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	Ø3x54: for bare fiber
		S8	Ø3x70: 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
75:25 ±3.75	1.8	7.0	2.0	6.1
90:10 ±3	0.9	11.8	0.8	12.0
99:1 ±0.3	0.4	24.3	0.3	22.0

The other ratios are also available.

## Ordering Information

S	B	S								
Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Pigtail	Fiber Length	Connector		
A=850nm K=830nm L=780nm 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 ... 50=50:50	P=Premium A=A grade	5=S6 7=S8 D=M1	9=SM780	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=FC/PC 2=FC/SPC 3=FC/APC 4=SC/SPC 5=SC/APC 6=ST 7=FC/APC 8=SC/APC 9=MU A=LC/PC B=SC/PC C=LC/APC 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.