

# 1x2 (2x2) Plastic Fiber Splitter (Mixer)



## Product Features

- Low Insertion Loss
- Good Uniformity
- High Reliability
- Compact Size

## Product Applications

- Data Communication Systems
- LAN
- Optical Entertainment Systems
- Fiber Sensors

Specification			Splitting Ratio: 80:20; 70:30; 50:50	
Parameter	Unit	1x2 or 2x2		
Grade		P	A	
Central Wavelength	nm	650, 850		
Splitting Ratio Tolerance*	Max.	%	±10	±15
Excess Loss	Max.	dB	1.4	1.8
Uniformity	Max.	dB	1.0	1.5
Return Loss**	Min.	dB	30	
Operating Power	Max.	mW	500	
Operating Temperature		°C	-55 to +105 for BH4001, -55 to +85 for GH4001	
Storage Temperature		°C	-55 to +105 for BH4001, -55 to +85 for GH4001	
Package Type	mm	S14: Φ6.0×101 for 2.2mm cable		

\* ±10% is for 50:50 Splitter or Mixer, ±5% for 80:20 and ±6% for 70:30 Splitter or Mixer.  
 \*\* Test at central wavelength only.

## Ordering Information

<b>P</b>	<b>F</b>	<b>S</b>									
			Wavelength A=850nm B=650nm	Structure 1=1x2 2=2x2	Splitting Ratio 80=80:20 70=70:30 50=50:50	Grade P=Premium A=A grade	Package R=S14	Fiber Type B=BH4001 G=GH4001	Pigtail R=2.2 mm cable	Fiber Length 0=0.5m 1=0.75m 2=1.0m 3=1.5m 4=2.0m S=Specify	Connector 0=None 6=ST

Note: 1. All specifications are before connectors and are subject to change without notice.  
 2. Measured under the stable mode condition with LED source.