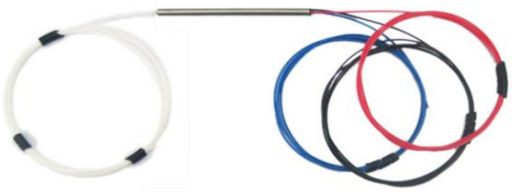
Optical Splitter 1×3 Steel Tube Single Mode Fused Type Fiber Coupler FBT Fiber Optic Splitter with or without fiber connectors (7233105)



Features:

- Different combinations of coupling ratio
- Low crosstalk & excess loss
- High optical return loss
- Available in dual/three wavelength operation
- Optional connectors termination upon request
- Available in 250um & 900um fiber, 2mm or 3mm
- 1310/1490/1550nm Wavelength for Options
- SC FC LC ST or other Customized Connectors
- Low Insertion Loss & High Return Loss
- Plastic Module Package for Safe Protection
- Different Fiber Cable Diameters Supplied

To 3 FBT Fiber Splitter Application：

- FTTH, LAN, PON & Optical CATV
- Local ring net, Optical fiber communication system
- Optical fiber test equipment, Optical fiber sensor

To 3 FBT Fiber Splitter Specification

Input & Output	Optical Splitter 3 in 1 out FBT Fiber Optic Splitter
Fiber Type	9/125 SMF-28 or customer specified
Operating Wavelength (nm)	1310,1490,1550nm
Coupling Ration (%)	1-50%
Bandwidth (nm)	20nm
Typical Insertion loss (dB)	≤5.5
Polarization Dependent Loss (dB)	≤0.1
Homogeneity (dB)	≤0.9
Directivity (dBm)	≥60
Uniformity (dB)	0.5
Typical dependent loss (dB)	≤0.15
Temperature Stability (dB/ºC)	≤0.002
Operating Temperature (°C)	-40 ～ 70
Storage Temperature (°C)	-40 ～ 85
Fiber Cable	bare fiber,loose tube fiber
Fiber Connector	SC FC LC ST
Brand	HELLOSIGNAL® OR OEM
Delivery time	Normally 25 days after received the deposit.
MOQ	20pcs

Description：

FBT Fiber Optic Splitter (also called fiber optical coupler) is a device that splits the fiber optic light into several parts by a certain ratio. Fiber Splitters are different from PLC fiber splitters in splitting methods. A fiber optic splitter can be produced with Singlemode, Multimode 62.5, and Multimode 50 Fiber.also you can customized them with LC, LC/APC, SC, SC/APC, FC, FC/APC, and ST connectors or unconnectorized.

When it comes to 1*2 Fiber Splitters, You can also request details for different splitting ratio, such as 50/50, 40/60, 30/70, 20/80, 10/90, 5/95, 1/99, 60/40, 70/30, 80/20, 90/10, 95/5, and 99/1.

Most optical Splitters available in 900μm loose tube and 250μm bare fiber. 1×2 and 2×2 couplers come standard with a protective metal sleeve to cover the split. Higher output counts are built with a box to protect the splitting components.

Performance Specifications:

Parameter		Wide Band Coupler		Dual Window Couplex		Multimode Fiber Coupler	
Grade		P	A	P	A	P	A
Operating Wavelength (mm)		1310,1550 or C + L Band		1310 and 1550		850 or 1310 or Specify	
Operating Bandwidth (mm)		±40		±40		±40	
Typical Excess Loss (dB)		<0.7	<0.1	<0.07	<0.1	<0.4	<0.7
Insertion Loss（dB）	50/50	<3.4	<3.6	<3.4	<3.6	<3.7	<4.0
	40/60	<4.4/2.6	<47/2.8	<4.4/2.6	<4.7/2.8	<4.7/2.7	<5.0/3.0
	30/70	<57/1.9	<6.0/2.0	<5.7/1.9	<6.0/2.0	<6.0/2.1	<6.3/2.4
	20/80	<7.6/1.25	<8.0/1.3	<7.6/1.25	<8.0/1.3	<7.8/1.4	<1/1.7
	10/90	<10.65/0.65	<10.9/0.08	<10.65/0.65	<10.9/0.8	<11.2/0.9	<11.6/1.2
	5/95	<13.8/0.4	<14.1/0.5	<13.8/0.4	<14.1/0.5	<14.5/0.7	<15.0/1.0
	3/97	<16.15/0.3	<16.5/0.4	<16.15/0.3	<16.5/0.4	<16.15/0.3	<16.5/0.4
	2/98	<18.05/0.25	<18.45/0.35	<18.05/0.25	<18.45/0.3	<18.6/0.6	<19.4/0.9
	1/99	<21.15/0.2	<21.65/0.3	<21.15/0.2	<21.65/0.3	<22/0.5	<22.8/0.8
Polarization Dependent Loss		<0.1	<0.15	<0.17	<0.15		
Directivity (dB)		>50				>35	
Operating Temperature (℃)		-40~+70					
Storage Temperature (℃)		-40~+85					

Notice： Above specifications are for devices without connector. Add an additional 0.2dB loss per connector.

Important Alternative Information

A	B	C	D	E	F	G	H	I
Mode	Grade	Wavelength	Port	Fiber Type	Package	Fiber	Coupling	Connector
1=WBC 2=DWC 3=MMC Z=Customized	1=P 2=A	1=1550 2=1310 3=1310/1550 4=1310/1490 /1550 Z=Customized	1=1x2 2=2x2	0=SM 9/125 1=MM 50/125 2=MM 62.5/125 Z=Customized	1=03x54 2=03x60 3=90x20x10 4=100x80x10	0=250um 1=900um 2=2.0mm 3=3.0mm	1=1/99 2=2/98 3=3/97 5=5/95 10=10/90 20=20/80 30=30/70 40=40/60 50=50/50	1=FC/APC 2=FC/UPC 3=SC/APC 4=SC/UPC 5=LC/APC 6=LC/UPC 7=ST Z=Customized