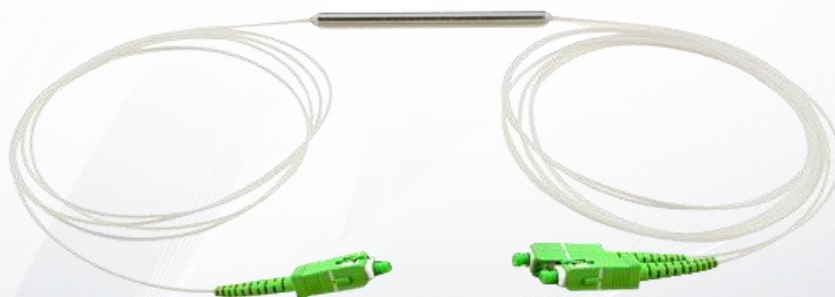


# 1x2 Steel Tube FBT Couplers Splitters, Multimode, Single Window

Data Center & Cloud Computing Infrastructure Solutions



## Overview

1x2 single window multimode steel tube FBT splitter is based on Fused Biconical Taper (FBT) technology to combine or distribute light from multiple inputs to multiple outputs bi-directionally. It's designed for power splitting and tapping in telecommunication equipment, CATV network, and test equipment.

FBT splitter can be customized in a variety of styles, sizes, port configurations, split values, and wavelength specifications, allowing a high degree of flexibility in tailoring the product to suit your precise requirements and application.

## Features

- Low insertion loss
- Low PDL (Polarization Dependent Loss)
- Compact design
- Exceptional reliability and stability
- Wide operating temperature: from -40° C to 85° C
- Conformed to RoHS certificate

## Application

- FTTX System
- LAN, WAN and Metro Network
- Analog/Digital Passive Optical Network

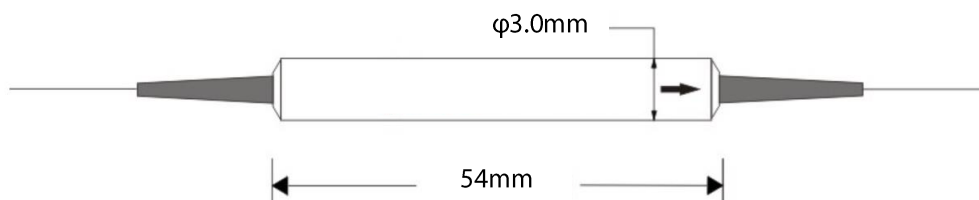
## Technical Specification

Parameters	Description
<b>Fiber Configuration</b>	1x2
<b>Type</b>	Single window
<b>Operating Wavelength</b>	850nm
<b>Max Insertion Loss (50/50)</b>	3.8dB
<b>Max Insertion Loss (1/99)</b>	21.5dB/0.2dB
<b>Max Insertion Loss (5/95)</b>	14dB/0.4dB
<b>Max Insertion Loss (10/90)</b>	10.8dB/0.65dB
<b>Return Loss</b>	≥ 40dB
<b>Directivity</b>	≥ 40dB
<b>Operating Temperature</b>	-40 °C ~ +85 °C
<b>Storage Temperature</b>	-40 °C ~ +85°C
<b>Input/Output Fiber Length</b>	0.5m/1m/1.5m
<b>Fiber Type</b>	62.5/125 OM1 or 50/125 OM2/OM3/OM4 (Multi-Mode)
<b>Fiber Diameter</b>	900μm
<b>Connector Type</b>	LC/SC/FC-APC/UPC, None
<b>Housing</b>	Steel tube
<b>Dimensions (WxD)</b>	3x54mm
<b>Grade Type</b>	P
<b>Quality Certification</b>	RoHS

\* Note: 1. Above specifications are for devices without connectors. If the device is with connectors, an additional 0.3dB to the insertion loss will be added, and the return loss will be reduced by 5dB.

2. Only the popular coupling ratios are listed. For more parameters, please contact your account manager.

## Dimension



## FBT Splitters Series

Type	ID#	Description
<b>Single Mode FBT Coupler Splitters</b>		
Steel Tube	<a href="#">#21045</a>	1x2 Single Mode Dual Window FBT 900µm Coupler Splitter, FC/APC
Steel Tube	<a href="#">#65799</a>	MxN Single Mode 250µm Steel Tube FBT Couplers Splitters, Unconnectorized
Steel Tube	<a href="#">#65798</a>	MxN Single Mode 900µm Steel Tube FBT Couplers Splitters, LC/SC/FC
ABS Module	<a href="#">#65800</a>	MxN Single Mode ABS Module FBT Couplers Splitters, LC/SC/FC
<b>MultiMode FBT Coupler Splitters</b>		
Steel Tube	<a href="#">#65801</a>	1x2 Multimode Steel Tube FBT Couplers Splitters, Unconnectorized/LC/SC/FC
ABS Module	<a href="#">#65803</a>	1xN Multimode ABS FBT Couplers Splitters, LC/SC/FC



 <https://www.fs.com>



The information in this document is subject to change without notice. FS has made all efforts to ensure the accuracy of the information, but all information in this document does not constitute any kind of warranty.