


<b>ITEM</b>	<b>Fiber Optic Attenuator</b>
<b>MODEL NO.</b>	<b>AT-FF-ST</b>
<b>DESCRIPTION</b>	<b>ST Female-Female Attenuator</b>
	

### Overview

To ensure proper performance and to maximize the life of optical receivers, the power received by these photodetectors must fall within their dynamic or operating range. For this reason, fiber optic transmission systems often use Attenuators to reduce or balance the power in the passive optical network.

### Product Description:

The air-gap bulkhead fixed attenuators are similar in design to standard in-line bulkhead adaptors, thus allowing simple panel mounting in equipment or patch panels. The air-gap bulkhead fixed attenuators use a washer to induce attenuation. The adapter type attenuators are the least expensive and the least accurate. They are recommended for use where return loss is not a concern nor is absolute attenuation value. The attenuators are available in FC/PC, SC/PC, or ST format, with fixed attenuation values of 5dB, 10dB, 15dB, and 20dB.

Multimode or singlemode attenuators can be supplied for operation at 850nm, 1300nm, or 1550nm.

### Features

- Low cost
- Compact size, light weight
- Available with FC/PC, SC/PC, ST, LC/PC format


### Applications

- CATV networks
- Passive optical networks
- Network testing

### Specification

Parameter	Specifications	
Bulkhead Adaptor Type	FC/PC ( Square Type)	
	SC/PC (Flange Type)	
	ST (Thread Type)	
	LC/PC (Flange Type)	
Attenuation (dB)	5,10,15,20	
Accuracy (dB)	5,10	± 1.5
	15,20	± 10%
Operation Wavelength(nm)	850, 1310, 1550	
Operating Temperature( °C )	-40~ 75	
Humidity	75 °C ,RH 95%	

### Ordering Information

Photo	Description				
	Part No.	Coupling Method	Outer Body	Sleeve Tube	Type
	MAT-STF/STF-SM/SX	ST(female)/ ST(female) SM SX	Metal	Ceramic	Mounting Hole