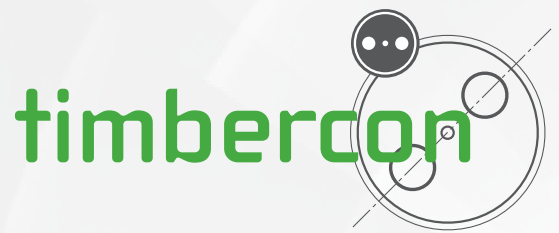


Fixed Attenuators



Applications

- DWDM
- Test & Measurement
- Optical Sensors
- Telecommunications

Features

- Singlemode and multimode versions
- Core off-set, air gap and filtered versions
- Low insertion loss and back reflection
- Definable attenuation from 1dB to 20dB
- PC, UPC, and APC polish types
- Available with FC, SC, ST, LC and MU termini

Benefits

- Multiple fiber types
- Multiple attenuation methods
- Compact size
- Precise optical performance

Performance

Insertion Loss (Typical)	SM	MM
FC, ST, SC, LC, MU	0.15 dB	0.35 dB
MTRJ	0.30 dB	0.30 dB
Back Reflection (Typical)	≤-55 dB	≤-35 dB
Mating Durability (500 Cycles)	<0.20 dB	<0.20 dB
Temperature Range	-40°C to 85°C	-40°C to 85°C

Construction

Cable Assemblies	Buffer	Strength Member	Jacket
900 um	900 um	-	PVC
3mm Riser	900 um	Kevlar	PVC
3mm Plenum	900 um	Kevlar	PVDF
Length Tolerance (Cables)	<1m: +5cm / -0cm		
	1m - 10m: +10cm / -0cm		
	>10m: +2% / -0%		

Buildout Attenuators

SM: Ceramic

MM: Phosphorus Bronze

Overview

Timbercon fixed attenuators provide light transmission at the precise level required.

Fixed attenuators offer defined control of optical signals in both integrated and add-on products.

Depending on the project or need, fixed attenuators can limit (attenuate) the amount of light passing through to the exact level your project or application requires. These precise attenuation levels provide for highly accurate performance.

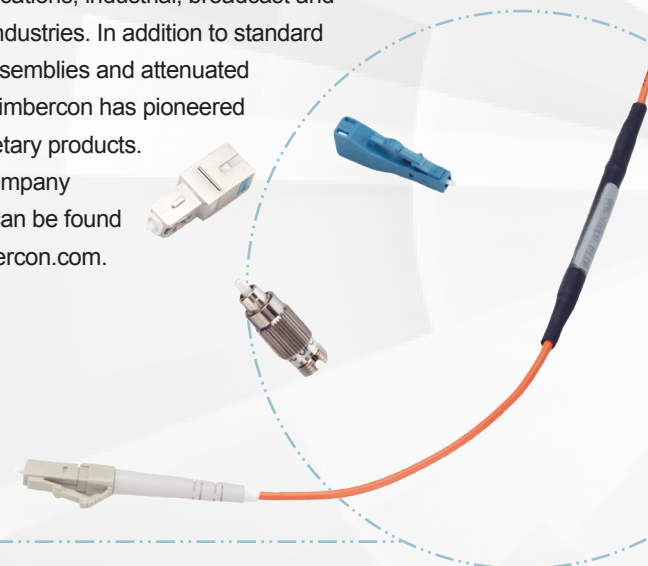
Timbercon fixed attenuators are used in applications where a pre-determined amount of light loss is specified. Though its applications range widely, fixed attenuators are most commonly used for test and measurement, optical sensors and telecommunications applications.

Attenuators may be used to prevent accidental overload or damage to your optical receiver by reducing the optical power.

About Timbercon

Timbercon, Inc., founded in 1997, is a fiber optic product and solution manufacturing company providing a variety of connectivity solutions to the defense, aerospace, medical, data storage, telecommunications, industrial, broadcast and networking industries. In addition to standard fiber optic assemblies and attenuated loopbacks, Timbercon has pioneered many proprietary products.

Additional company information can be found at www.timbercon.com.



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