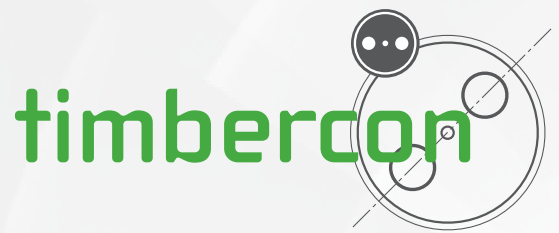


Variable Attenuators



Applications

- DWDM Applications
- Aerospace Industries
- Telecom Industries
- Security Connections
- Testing

Features

- Singlemode, multimode and PM fiber types
- Coupling ratios from 50:50 to 1:99
- PC, APC, UPC polish options
- Multiple packaging types and sizes
- LC, SC, FC, ST, MU and custom terminations
- Available with FC, SC, ST, LC, MU and MIL terminations

Benefits

- Application versatility
- Precise signal distribution
- Premium polishes
- Easy integration with existing equipment/system

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

	Buffer	Strength	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%		

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Overview

Variable attenuators produce precision levels of attenuation, with the added flexibility of adjustment. By using simple adjustment controls, the attenuation can be easily modified to any level required by your specific project.

These devices are ideal for adjusting OEM systems in production as well as laboratory applications. These attenuators also exhibit low back reflection and good temperature stability in any application.

Timbercon variable attenuators are available in both manual and automatic motor driven packages for a variety of light sources and wavelengths. Timbercon variable attenuators offer multiple options including SC, LC, ST, FC and MU connector types and PC, UPC and APC polish types.

Attenuator

Optical Loss	SM	MM
0 - 10 dB	±1 dB	±1 dB
11 - 24 dB	±10%	±10%
25 - 30 dB	±10%	-

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.

