

LC/APC Single Mode buildout Attenuator 1dB – 30dB



Description

The BlueOptics© SFA21BAXX Fiber Optics single mode buildout attenuator is a high performance, cost effective solution to reduce the amplitude of a light signal.

All BlueOptics© buildout attenuators come with high return loss and low polarization loss.

BlueOptics© single mode buildout attenuators are compliant to Telcordia GR-910-Core.

BlueOptics© buildout attenuators are available in many different variants to fit your needs:

- Multi Mode or Single Mode
- LC, SC, or ST Connector
- 1dB to 30dB
- PC or APC Polish
- Simplex or Duplex

Applications

- ✓ Long distance DWDM Systems
- ✓ CATV Systems
- ✓ Transceiver with LC Connector
- ✓ Fiber Optic Network

Features

- ✓ 1x Simplex LC Connector
- ✓ Attenuation from 1dB to 30dB
- ✓ High Quality Ceramic Zirconia Ferrule
- ✓ For single mode fiber usage
- ✓ 1310nm and 1550nm
- ✓ Green Housing
- ✓ Polarization Loss: $\leq 0.1\text{dB}$
- ✓ Return Loss: $\geq 60\text{dB}$
- ✓ Highest Connector Quality: Up 1500 mating cycles
- ✓ Single Packed
- ✓ Test Report

Warnings

Laser Safety: Even small radiation emitted by laser devices can be dangerous to human eyes and lead to permanent eye injuries. Be sure to avoid eye contact with direct or indirect radiation.

Warranty

Every BlueOptics® fiber optic attenuator comes with a 25 year replacement warranty and lifetime support. For a warranty inquiry, please contact your CBO sales representative.

This warranty only covers the first user of the equipment.

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by CBO before they become applicable to any particular order or contract. In accordance with the CBO policy of continuous improvement specifications may change without notice.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of CBO or others.

Further details are available from any CBO sales representative.

Installation

Before installation attach an ESD-preventive wrist to ensure not to damage your hardware.

Remove the dust caps of the attenuator.

Put the LC connector of your cable into the LC socket of the attenuator until you hear a “click” sound.

Now connect the attenuator to your hardware.

You can now use your connection.

If you got problems with the connection:

- *Please make sure the connector is clean. If not, use a tissue and anhydrous alcohol to clean it accurately.*

Order Information

Part No.	Attenuation	Polish
SFA21BA1	1dB	APC
SFA21BA2	2dB	APC
SFA21BA3	3dB	APC
SFA21BA4	4dB	APC
SFA21BA5	5dB	APC
SFA21BA6	6dB	APC
SFA21BA7	7dB	APC
SFA21BA8	8dB	APC
SFA21BA9	9dB	APC
SFA21BA10	10dB	APC
SFA21BA11	11dB	APC
SFA21BA12	12dB	APC
SFA21BA13	13dB	APC
SFA21BA14	14dB	APC
SFA21BA15	15dB	APC
SFA21BA16	16dB	APC
SFA21BA17	17dB	APC
SFA21BA18	18dB	APC
SFA21BA19	19dB	APC
SFA21BA20	20dB	APC
SFA21BA21	21dB	APC
SFA21BA22	22dB	APC
SFA21BA23	23dB	APC
SFA21BA24	24dB	APC
SFA21BA25	25dB	APC
SFA21BA26	26dB	APC
SFA21BA27	27dB	APC
SFA21BA28	28dB	APC
SFA21BA29	29dB	APC
SFA21BA30	30dB	APC

1. Specifications

Parameter	Value	Unit
Attenuation value	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30	dB
	<5+0.3	
	<10±1	
	>10±10%	
Return loss	>60	dB
Operation wavelength	1310/1550	nm
Medium	single mode fiber	
Polarization loss	<0.1	dB
Operation temperature	-40 to +75	°C
Storage temperature	-40 to +85	°C

2. Mechanical Specifications (Unit: mm)

