

ST/PC Single Mode buildout Attenuator 1dB – 30dB



Description

The BlueOptics® SFA23BKXX 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
- ✓ Fiber Optic Network

Features

- ✓ 1x Simplex ST Connector
- ✓ Attenuation from 1dB to 30dB
- ✓ High Quality Ceramic Zirconia Ferrule
- ✓ For single mode fiber usage
- ✓ 1310nm and 1550nm
- ✓ Metal Housing
- ✓ Polarization Loss: $\leq 0.1\text{dB}$
- ✓ Return Loss: $\geq 45\text{dB}$
- ✓ 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 ST connector of your cable into the ST 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 accurate.

Order Information

Part No.	Attenuation	Polish
SFA23BK1	1dB	PC
SFA23BK2	2dB	PC
SFA23BK3	3dB	PC
SFA23BK4	4dB	PC
SFA23BK5	5dB	PC
SFA23BK6	6dB	PC
SFA23BK7	7dB	PC
SFA23BK8	8dB	PC
SFA23BK9	9dB	PC
SFA23BK10	10dB	PC
SFA23BK11	11dB	PC
SFA23BK12	12dB	PC
SFA23BK13	13dB	PC
SFA23BK14	14dB	PC
SFA23BK15	15dB	PC
SFA23BK16	16dB	PC
SFA23BK17	17dB	PC
SFA23BK18	18dB	PC
SFA23BK19	19dB	PC
SFA23BK20	20dB	PC
SFA23BK21	21dB	PC
SFA23BK22	22dB	PC
SFA23BK23	23dB	PC
SFA23BK24	24dB	PC
SFA23BK25	25dB	PC
SFA23BK26	26dB	PC
SFA23BK27	27dB	PC
SFA23BK28	28dB	PC
SFA23BK29	29dB	PC
SFA23BK30	30dB	PC

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
	$< 5 \pm 0.3$	
	$< 10 \pm 1$	
	$> 10 \pm 10\%$	
Return loss	> 45	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