



# Booster Fiber Amplifier Series

## XLT-BFA



The XLT-BFA Series of amplifiers is the high-power solution offered by EXELiTE Innovations. The XLT-BFA Fiber Amplifiers are easy-to-use and are specially designed to offer high optical power and low noise signal levels for optical transmission and non-linear applications in the C-band.

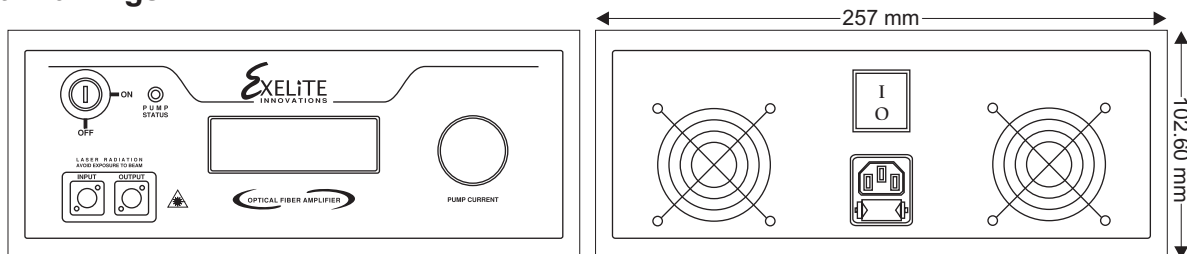
The XLT-BFA is offered in a benchtop package, suitable for academic and industrial laboratories. The product includes on/off key switch and pump current control. The front panel display allows for emission status, pump current and optional input/output optical power monitoring. All readings are simultaneously displayed without requiring any user interaction.

XLT-BFA Series Features	XLT-BFA Series Applications
<ul style="list-style-type: none"><li>■ High Output Power</li><li>■ Input/Output Isolation</li><li>■ User-friendly Interface</li><li>■ Cost Effective Solution</li><li>■ Customized input/output powers</li><li>■ Polarization Maintaining Option upon request</li></ul>	<ul style="list-style-type: none"><li>■ R&amp;D Applications</li><li>■ Product Testing &amp; Evaluation</li><li>■ C Band Optical Transmission</li><li>■ Free Space Communications</li><li>■ Optical Switching &amp; Signal Processing</li><li>■ Non-linear Optics</li></ul>

## XLT-BFA Series Technical Specifications

Model			
XLT-BFA-30			
Specification	Value	Units	Notes
Input wavelength range	1535-1565	nm	
Saturated Output Power	30	dBm	Pin = 7 dBm
Input Power	0	dBm	
Small Signal Gain	> 40	dB	Pin = 0 dBm
Noise Figure (NF)	< 6	dB	Pin = 0 dBm @1555 nm
Environmental Conditions			
Operating Temperature	15 - 35	°C	
Storage Temperature	-20 to +60	°C	
Humidity	0 - 95 %		
Electrical & Mechanical Specifications			
Operating Voltage	85 - 264	VAC	@ 47-63 Hz
Power Consumption	< 110	W	
Dimensions	27 x 26 x 10	cm	
All information is accurate and subject to change without notice. No responsibility is assumed for their use.			

## Product Drawings



## Ordering Information

Code	Value	Feature
xx	SM	Standard single mode
	PM	Polarization maintaining
FCAPC	FCAPC	Fiber connectors FC/APC (other connectors available upon request)

Order Code: XLT-BFA-xx-FCAPC

## XLT-BFA Series Additional Options

- Input Power Monitor
- Output Power Monitor
- Rack or Module
- Different Input/output Connectors

## Contact Information

**EXELITE Innovations**  
Lochagou Gkanogianni 123 &  
Meg. Alexandrou 3  
Zografou, Athens  
GR-157 73 Greece

[www.exelite-inov.com](http://www.exelite-inov.com)  
[sales@exelite-inov.com](mailto:sales@exelite-inov.com)  
Tel: +30 210 77 11 680  
Fax: +30 210 77 11 761



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