



Inline Fiber Amplifier Series

XLT-IFA
17 - 19 - 22



EXELiTE Innovations XLT-IFA Series of amplifiers are easy-to-use Inline Erbium-Doped Fiber Amplifiers, specially designed to offer sufficient optical power and low noise signal levels for R&D applications and product testing in C-band optical transmission, optical switching and signal processing.

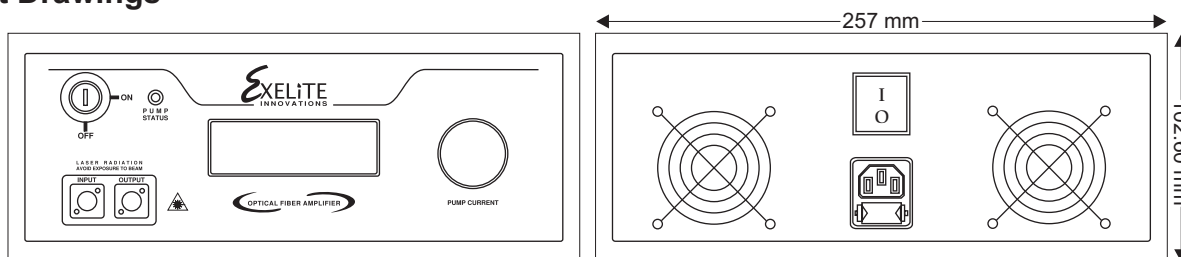
The XLT-IFA is offered in a benchtop package, suitable for academic and industrial laboratories. The product includes on/off key switch and pump current control. The front panel display allows for pump current, pump temperature and optional input/output optical power monitoring. All readings are simultaneously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

XLT-IFA Series Features	XLT-IFA Series Applications
<ul style="list-style-type: none"> ■ Low Noise Figure ■ Input/Output Isolation ■ ASE Management ■ Benchtop Package ■ User-friendly Interface ■ Cost Effective Solution ■ Polarization Maintaining Option upon request 	<ul style="list-style-type: none"> ■ R&D Applications ■ Product Development ■ Product Testing & Evaluation ■ C Band Optical Transmission ■ Free Space Communications ■ Optical Switching & Signal Processing

XLT-IFA Series Technical Specifications

	Model			Units	Notes
	XLT-IFA-17	XLT-IFA-19	XLT-IFA-22		
Specification	Value				
Input wavelength range	1530-1565			nm	
Saturated Output Power	17	19	22	dBm	Pin = - 6
Input Power	-10			dBm	
Small Signal Gain	> 30	> 32	> 34	dB	Pin = - 20
Noise Figure (NF)	< 4	< 4	< 4	dB	Pin = - 10 @ 1555 nm
Environmental Conditions					
Operating Temperature	0 - 50			°C	
Storage Temperature	-40 to +85			°C	
Humidity	0 - 95 %				
Electrical & Mechanical Specifications					
Operating Voltage	85 - 264			VAC	@ 47-63 Hz
Power Consumption	<25	<30	<40	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
yy	17	Output power 17 dBm
	19	Output power 19 dBm
	22	Output power 22 dBm
FCAPC	FCAPC	Fiber connectors FC/APC (other connectors available upon request)

Order Code: XLT-IFA-xx-yy-FCAPC

XLT-IFA 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
sales@exelite-inov.com
Tel: +30 210 77 11 680
Fax: +30 210 77 11 761



LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 3B LASER PRODUCT