

# Combo Fiber Amplifier Series

## XLT-CFA 15 - 17 - 19



XLT-CFA Series is EXELITE Innovations "2-in-1" solution for offering high performance and low-cost Erbium-Doped Fiber Amplifiers. XLT-CFA Series offers two Inline optical amplifiers in a single benchtop package combining compactness and significant cost reduction. The EDFAs included in this "combo" module offer power levels ranging from 15 to 19 dBm with low noise figures and are suitable for R&D, optical transmission, optical switching and optical processing applications that require the use of multiple EDFAs.

The XLT-CFA is a benchtop product, suitable for academic and industrial laboratories that require low-cost, compact and easy-to-use optical amplifiers. The product includes on/off key switch and current control for adjusting the emission status and pump current of both amplifiers. The front panel display allows for monitoring the emission status, pump current and pump temperature.

XLT-CFA Series Features	XLT-CFA Series Applications
<ul style="list-style-type: none"> <li>■ 2-in-1 Solution</li> <li>■ Cost-Effective</li> <li>■ Low Noise Figure</li> <li>■ Input/Output Isolation</li> <li>■ Benchtop Package</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>■ Optical Switching &amp; Signal Processing</li> </ul>

## XLT-CFA Series Technical Specifications

	XLT-CFA Available Options			Units	Notes
	15 dBm	17 dBm	19 dBm		
Specification	Value				
Input wavelength range	1530-1565			nm	
Saturated Output Power	15	17	19	dBm	Pin = - 6
Input Power	-10			dBm	
Small Signal Gain	> 28	> 30	> 32	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.					

## Ordering Information

Code	Value	Feature
<b>xx</b>	SM	Standard single mode
	PM	Polarization maintaining
<b>yy</b>	15	EDFA1 output power 15 dBm
	17	EDFA1 output power 17 dBm
	19	EDFA1 output power 19 dBm
<b>zz</b>	15	EDFA2 output power 15 dBm
	17	EDFA2 output power 17 dBm
	19	EDFA2 output power 19 dBm
<b>FCAPC</b>	FCAPC	Fiber connectors FC/APC (other connectors available upon request)

Order Code: XLT-CFA-xx-yy-zz-FCAPC

## XLT-CFA Series Additional Options

- Custom amplifier output power ratio
- Output power monitors
- Different input/output connectors

## Contact Information

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**A V O I D E X P O S U R E T O B E A M**  
**C L A S S 3 B L A S E R P R O D U C T**