



Standard C-band Fiber Amplifier Series

XLT-SFA
17 - 19 - 22



EXELITE Innovations XLT-SFA Series of amplifiers are specially designed standard C-Band amplifiers offering high output optical power and low noise figure even for low input power levels, suitable for R&D applications and product testing in C-band optical transmission, optical switching and signal processing.

The XLT-SFA maintains low noise output signal levels due to special ASE management, with high nominal gain and saturated output power for relatively low input power levels.

The XLT-SFA comes with a user-friendly control interface that includes a supply on/off switch, a laser on/off key switch and a front panel display for monitoring pump current, pump temperature and input/output power levels (optional). All readings are simultaneously displayed without requiring any user interaction.

XLT-SFA Series Features	XLT-SFA Series Applications
<ul style="list-style-type: none"> ■ Optional Mid-Stage Access ■ Low Input Power Levels ■ Low Noise Figure ■ High Optical Gain ■ Input/Output Isolation ■ Optional ASE Management ■ Benchtop Package ■ User-Friendly Interface ■ 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-SFA Series Technical Specifications

Models					
	XLT-SFA-17	XLT-SFA-19	XLT-SFA-22		
Specification	Value			Units	Notes
Input wavelength range	1530-1565			nm	
Saturated Output Power	17	19	22	dBm	Pin = -13
Input Power	-17			dBm	
Small Signal Gain	40	42	44	dB	Pin = -30
Noise Figure (NF)	< 4	< 4.5	< 4.5	dB	Pin = -17 @ 1555 nm
with special ASE management option					
Input Power	-20			dBm	
Input wavelength range	1535-1565			nm	
Noise Figure (NF)	< 4	< 4	< 4	dB	Pin = -20 @ 1555 nm
with mid-stage access					
	XLT-SFA-Mid-17	XLT-SFA-Mid-19	XLT-SFA-Mid-22		
Specification	Value			Units	Notes
1st stage Saturated Output Power	7,5	7,5	7,5	dBm	Pin = -13
Mid-Stage Loss	< 10			dB	

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
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)
zzz	0	Without ASE management option
	ASE	Including special ASE management option

Order Codes:

XLT-SFA-xx-yy-FCAPC-zzz

XLT-SFA-mid-xx-yy-FCAPC-zzz

XLT-SFA Series Additional Options

- Input Power Monitor
- Output Power Monitor
- Mid-Stage Access
- Rack or Module
- Different Input/Output Connectors

Contact Information

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