

FA-L Series

L-BAND OPTICAL FIBER AMPLIFIERS

PriTel's FA_L Series of Optical Fiber Amplifiers are designed for R&D applications in telecommunications, fiber lasers, and optical switching.

*SPFA-L-xx model without
power monitor option*



*SPFA-L-xx model with
power monitor option*

Specifications

	<u>FA-L-15</u>	<u>FA-L-18</u>	<u>FA-L-23</u>
Saturated output power	15 dBm	18 dBm	23 dBm
Small signal gain	14 – 34 dB	14 – 34 dB	14 – 34 dB
Optical noise figure	<6 dB	<6.5 dB	<7.5 dB
Polarization sensitivity	<0.2 dB	<0.2 dB	<0.2 dB
Input power range	-30 to +10 dBm	-30 to +10 dBm	-30 to +10 dBm
Wavelength range	1565-1615 nm	1565-1615 nm	1565-1615 nm
Spectral gain flatness with single channel in	1 dB typical	1 dB typical	1 dB typical
Dimensions	10 cm x 26 cm x 28 cm	10 cm x 26 cm x 28 cm	10 cm x 26 cm x 28 cm
Optical			
Gain medium	Er-doped silica fiber, core pumping		
Pump source	980-nm diode laser		
Connectors	FC/APC (other connectors available upon request)		
Environmental			
Operating temperature	+15 to 30°C		
Storage temperature	-20 to 50°C		
Electrical/ Mechanical			
Operating Voltage	85-264 VAC at 47-63 Hz		
Power consumption	<125 W		



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