

## FA-L Series

# L-BAND OPTICAL FIBER AMPLIFIERS

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



### Specifications

	<b>FA-L-15</b>	<b>FA-L-18</b>	<b>FA-L-21</b>	<b>FA-L-24</b>
Saturated output power	15 dBm	18 dBm	21 dBm	24 dBm
Small signal gain	30 dB	30 dB	30 dB	30 dB
Optical noise figure	<6 dB	<6 dB	<8 dB	<8 dB
Input power range	-30 to +10 dBm	-30 to +10 dBm	-20 to +10 dBm	-20 to +10 dBm
Wavelength range	1565-1605 nm	1565-1605 nm	1565-1615 nm	1565-1615 nm
Polarization mode dispersion	<200 fs	<200 fs	<500 fs	<500 fs
Spectral gain flatness with single channel in	<1 dB	<1 dB	<1.5 dB	<1.5 dB
Dimensions	10 cm x 26 cm x 28 cm	10 cm x 26 cm x 28 cm	15 cm x 26 cm x 28 cm	15 cm x 26 cm x 28 cm
<b>Optical</b>				
Gain medium	Er-doped silica fiber		Er/Yb-doped silica fiber	
Pump source	980-nm diode laser		Diode-laser-pumped solid-state laser	
Connectors	FC/APC (other connectors available upon request)			
<b>Environmental</b>				
Operating temperature	+15 to 30°C			
Storage temperature	-20 to 50°C			
<b>Electrical/ Mechanical</b>				
Operating Voltage	85-264 VAC at 47-63 Hz			
Power consumption	<125 W			



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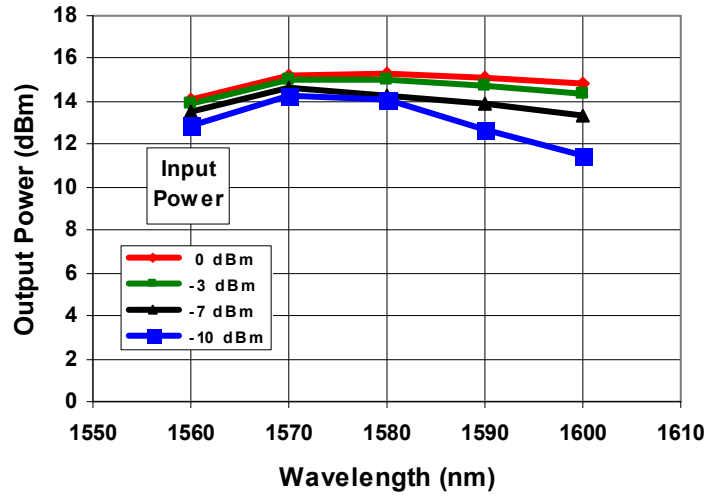
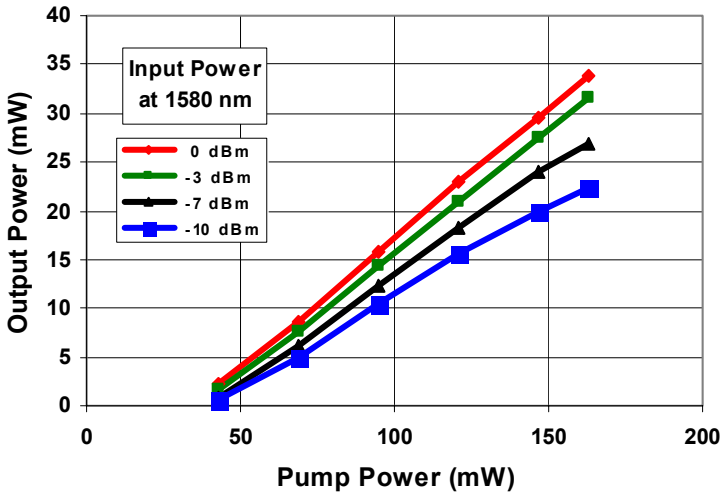
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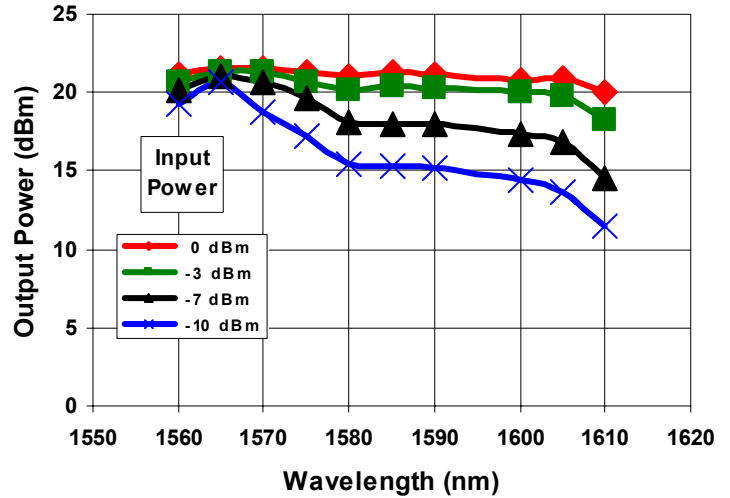
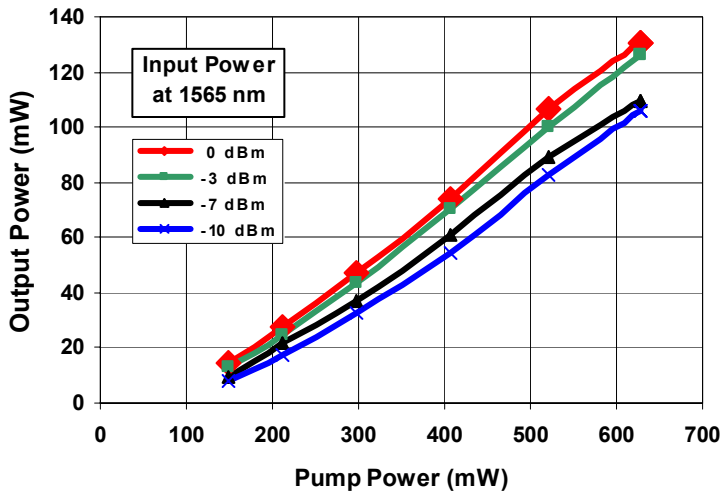
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## Typical Performance of PriTel's L-Band Optical Fiber Amplifiers

### Model FA-L-15



### Model FA-L-21



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