

FA Series

OPTICAL FIBER AMPLIFIERS

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

PriTel also manufactures Short Pulse amplifiers with certified performance to 300 fs. Details and specifications are available in the datasheet "Short Pulse Fiber Amplifiers."



Shown with Power Monitor Option

Specifications

	FA-15	FA-18	FA-20	FA-22
Saturated output power	15 dBm	18 dBm	20 dBm	22 dBm
Small signal gain	>30 dB	>35 dB	>35 dB	>35 dB
Optical noise figure	<4.2 dB	<5 dB	<6 dB	<6 dB
Polarization sensitivity	<0.2 dB	<0.2 dB	<0.2 dB	<0.2 dB
PMD	< 0.2 ps	< 0.2 ps	< 0.2 ps	< 0.2 ps
Input power range	-30 to +10 dBm	-30 to +10 dBm	-20 to +10 dBm	-15 to +10 dBm
Wavelength range	1528-1565 nm	1528-1565 nm	1528-1565 nm	1528-1565 nm
Spectral gain flatness with single channel input	0.5 dB typical	0.5 dB typical	0.5 dB typical	0.5 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	10 cm x 26 cm x 28 cm
Optical				
Gain medium	Er-doped silica fiber			
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			

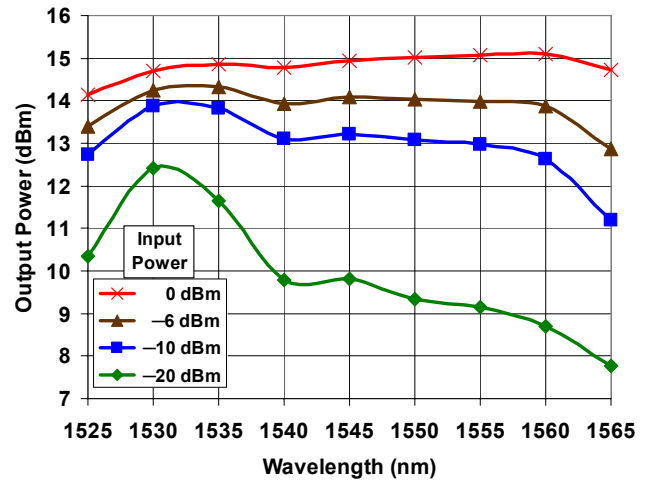
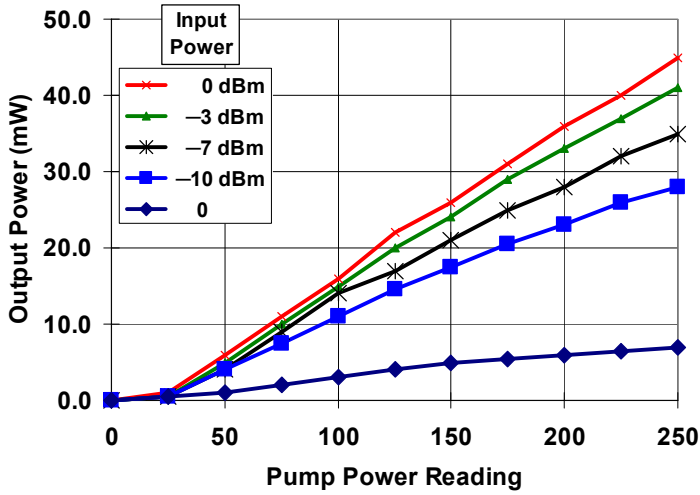


PriTel, Inc.

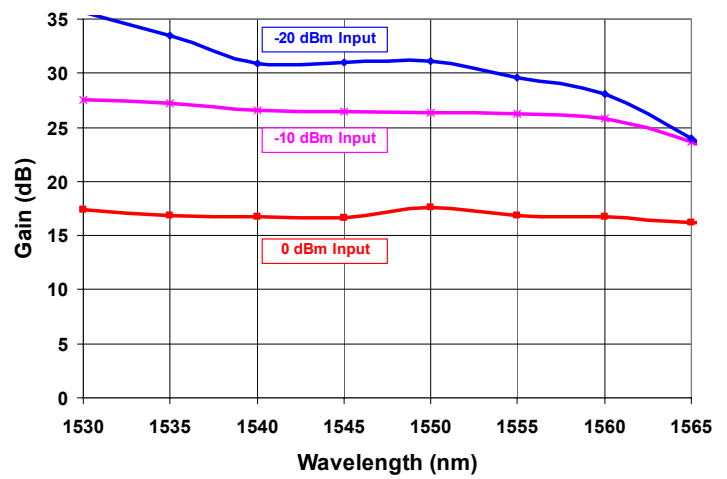
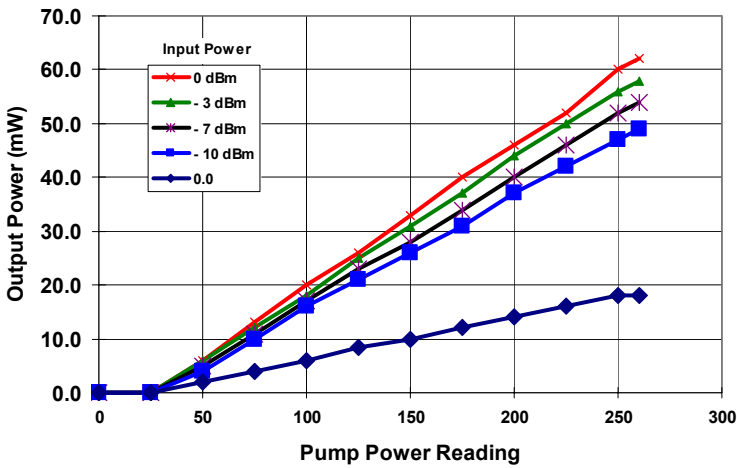
P.O. Box 4025, Naperville, IL 60567-4025, USA
 Ph: 630-983-2200, Fx: 630-983-2260 (USA)
 E-mail: PriTel@PriTel.BIZ, Internet: www.PriTel.BIZ

Typical Performance of PriTel's Optical Fiber Amplifiers

Model FA-15



Model FA-18



Information contained herein is deemed to be reliable and accurate. PriTel, Inc. assumes no responsibility and shall have no liability relating to its use. PriTel, Inc. reserves the right to change product specifications at any time without notice.



PriTel, Inc.

P.O. Box 4025, Naperville, IL 60567-4025, USA
 Ph: 630-983-2200, Fx: 630-983-2260 (USA)
 E-mail: PriTel@PriTel.BIZ, Internet: www.PriTel.BIZ