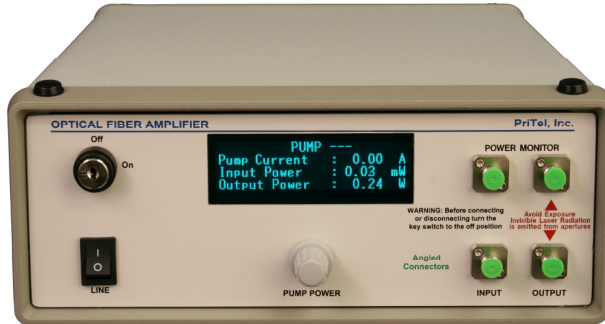


FA Series

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.

FA-xx model without power monitor option



FA-xx model with power monitor option

Specifications

	FA-15	FA-18	FA-20	FA-23
Saturated output power	15 dBm	18 dBm	20 dBm	23 dBm
Small signal gain	>30 dB	>32 dB	>35 dB	>35 dB
Optical noise figure	<4.5 dB	<5.0 dB	<5.5 dB	<6.0 dB
Polarization sensitivity	<0.2 dB	<0.2 dB	<0.2 dB	<0.2 dB
Input power range	-30 to +10 dBm	-30 to +10 dBm	-30 to +10 dBm	-30 to +10 dBm
Wavelength range	1528-1565 nm	1528-1565 nm	1528-1565 nm	1528-1565 nm
Spectral gain flatness with single channel in	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, 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			



PriTel, Inc.

P.O. Box 4025

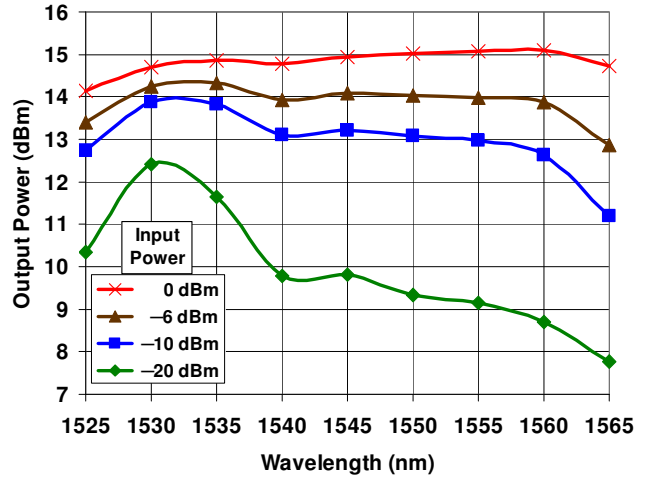
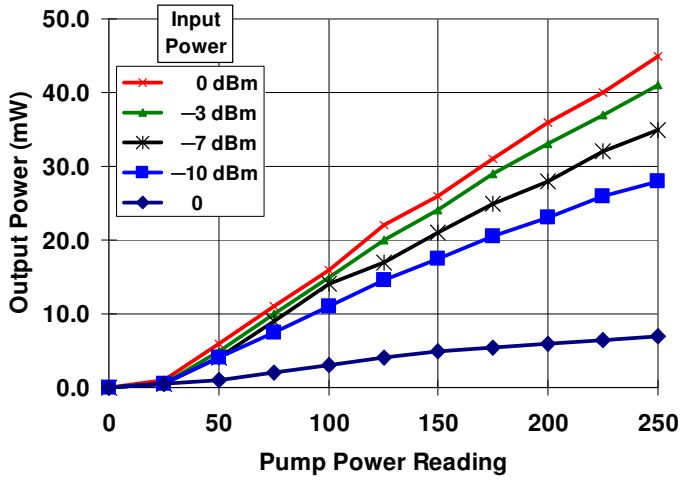
Naperville, IL 60567-4025, USA

Ph: 630-983-2200, Fx: 630-983-2260

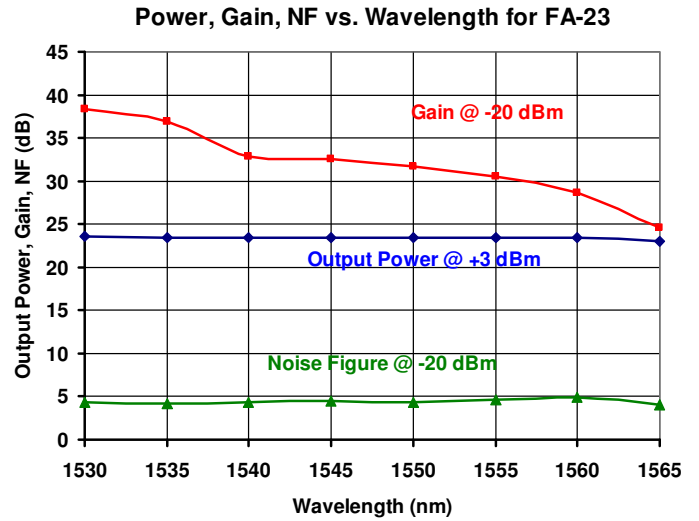
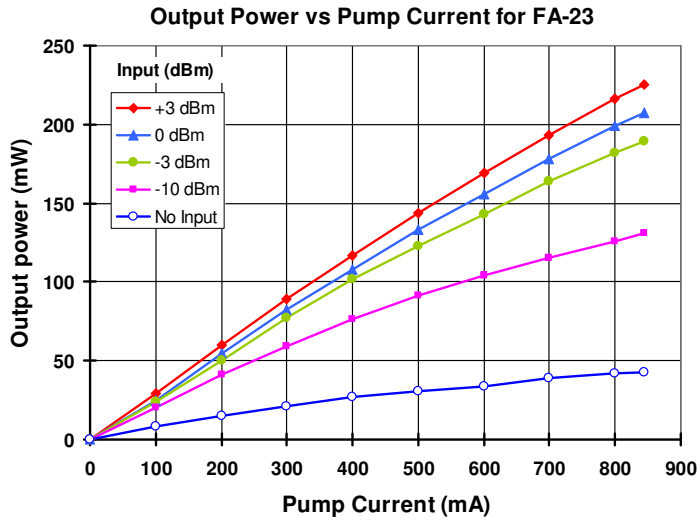
E-mail: PriTel@PriTel.com, www.PriTel.com

Typical Performance of PriTel's Optical Fiber Amplifiers

Model FA-15



Model FA-23



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.



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