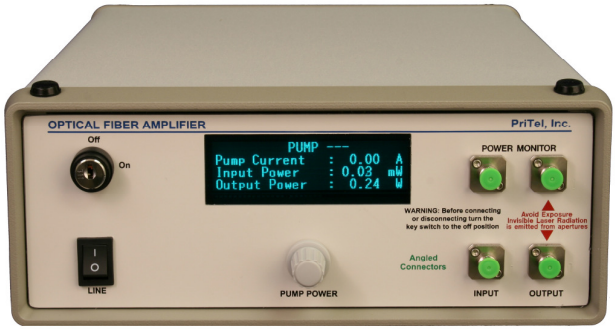
PM-YbFA Series

HIGH POWER POLARIZATION MAINTAINING OPTICAL FIBER AMPLIFIERS

PM-YbFA-xx model without power monitor option



PM-YbFA-xx model with power monitor option

PriTel's PM-YbFA Series of High Power Polarization Maintaining Optical Fiber Amplifiers are based on well-established diode pumped Ytterbium doped optical fiber technology.

PriTel also manufactures amplifiers with excellent short-pulse performance.

Higher power amplifiers are available on a custom basis.

Specifications

	PM-YbFA-30	PM-YbFA-33	PM-YbFA-35
Saturated output power	30 dBm	33 dBm	35 dBm
Signal gain @ 0 dBm	> 22 dB @ 7 dBm	> 25 dB @ 7 dBm	27 dB @ 7 dBm
Optical noise figure @ 0 dBm	< 12 dB	< 14 dB	< 15 dB
Polarization sensitivity	<0.5 dB	<0.5 dB	<0.5 dB
Input power range	-10 to +20 dBm	-10 to +20 dBm	+17 to +24 dBm
Wavelength range	1040-1080 nm	1040-1080 nm	1040-1080 nm
Spectral gain flatness (single channel input)	1 dB typical	1.5 dB typical	2.0 dB typical
Dimensions	10 cm x 26 cm x 36 cm	10 cm x 26 cm x 36 cm	15 cm x 26 cm x 36 cm
Optical			
Gain medium	Yb-doped double-clad silica fiber		
Pump source	Diode laser (910-980 nm)		
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		
Power consumption	<125 W		

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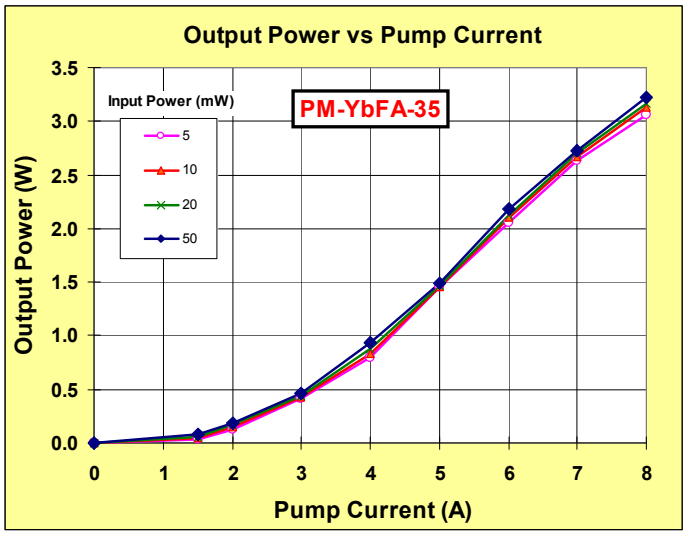
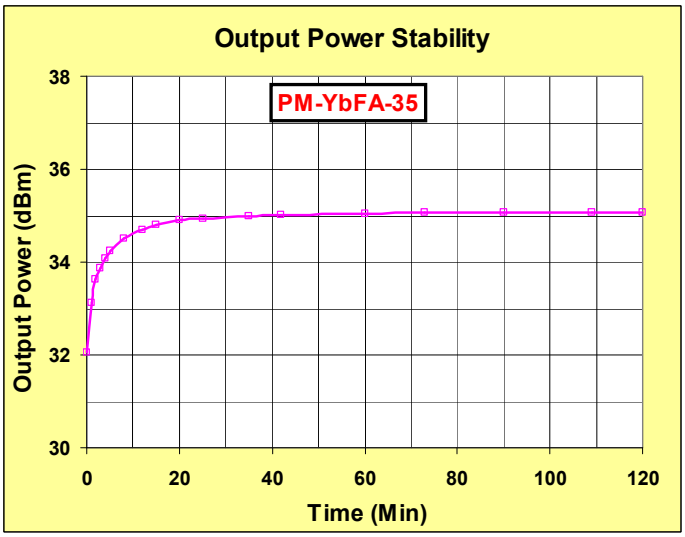
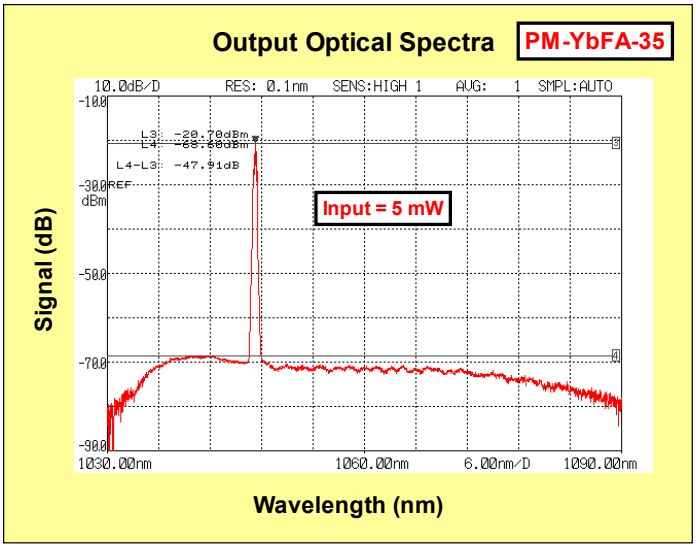
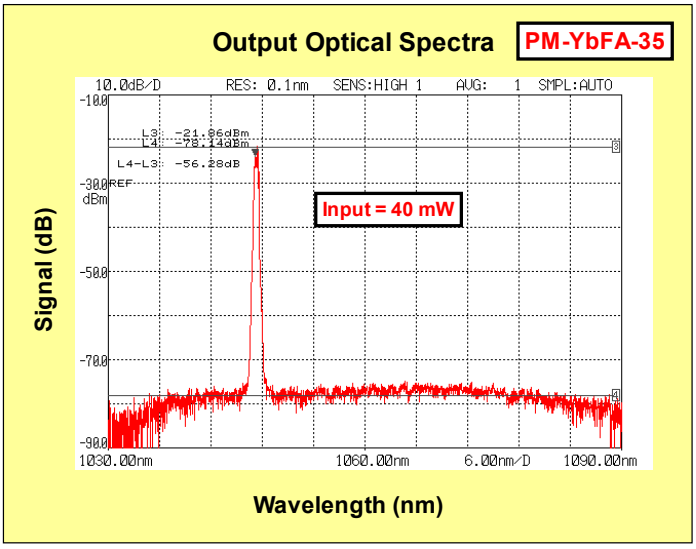
Typical Performance of High Power Polarization Maintaining Yb Doped Optical Fiber Amplifiers









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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