

# S-Band Fiber Amplifier

FAS Series



The FAS is a bench-top optical fiber amplifier for the S-band featuring low noise figure, high gain and output power. The S-band amplifier uses thulium doped fluoride fiber which is pumped by readily available compact and robust laser diodes at 1055 nm. It is ideal for testing components in this new communication band.

## Key Features

- Gain 25 dB @1470 nm
- Output power > 12 dBm
- Noise figure < 6 dB

## Specifications

- Pump wavelength 1055 nm
- Wavelength range 1455 – 1485 nm
- Supply voltage 105-240 V
- Operating temperature range 0-40 °C

## Main Options

- GPIB/ RS-232 port
- I/O signal monitoring
- Rack mount adapters
- ASE filtering
- Automatic pump control
- Low PMD
- OEM gain block design with or without electronics