

# Tm fiber amplifier(1695-2150nm)

## FIBER AMPLIFIERS



Tm fiber amplifier(1695-2150nm) Based on Tm-doped fiber amplifier technique, Precilasers can provide amplifier that cover 1695-2150nm range, to maxium power of 50W, and keeping very low phase noise and intensity noise.

- Narrow Linewidth Excellent Beam
- Quality Seed Power
- Protection System Low Noise
- Optical Communication Light Detection
- Ranging Frequency
- Doubled Fundamental Frequency Light
- Source Interferometry Mid
- Infrared Parametric Oscillation Pumping

## Specifications

Parameter	FA-SF-X-Y-CW (1)
Wavelength range	1695-1730nm / 1730-1850nm / 1850-1900nm / 1900-2050nm / 2050-2150nm
Output Power	>1W/2W/5W / >2W/10W/20W / >2W/10W/20W/30W / >2W/15W/30W/50W / >2W/10W/20W
Typical Wavelength	1762nm, 2051nm
Bandwidth	>±3nm / >±5nm / >±10nm / >±10nm / >±5nm
Relative Intensity Noise	<0.08% (RMS, 10Hz-10MHz Integration)
Power Stability	<0.75% @3hours, RMS
Power Tuning Range	10-100%
Output Mode (2)	Single Mode PM fiber, FC/APC Connector (Output Power≤2W) OR Collimated Output (All Power)
Beam Diameter	0.8±0.2mm
Beam Quality	TEM00, M <sup>2</sup> <1.1
Polarization	Linear, >23dB
Seed Laser Input Power	≥10mW (3)
Seed Laser Input Isolation	>25dB
Output Laser Isolation	>25dB
Cooling	Air Cooling /Water Cooling
Temperature	15-30 °C (Air Cooling) OR 15-35 °C (Water Cooling)
Power Supply	100V-240V, AC, 50/60Hz
Communication	RS422/RS485

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.