

Er fiber amplifier(1525-1625nm)

FIBER AMPLIFIERS



Er fiber amplifier(1525-1625nm) Based on Erbium-doped fiber amplifier technique, Precilasers can provide amplifier that cover 1525-1625nm range, to maxium power of 40W, 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	1525-1530nm / 1530-1535nm / 1535-1570nm / 1570-1600nm / 1600-1625nm
Output Power	>1w / >2W/10W/15W / >2W/10W/20W/40W / >2W/10W / >2W/5W
Typical Wavelength	1550.12nm, 1560.48nm
Bandwidth	>±1nm / >±1nm / >±10nm / >±10nm / >±5nm
Relative Intensity Noise	<0.05% (RMS, 10Hz-10MHz Integration), Output Power<20W@1550-1560nm <0.5% (RMS, 10Hz-10MHz Integration), Output Power 20-30W@1550-1560nm <1% (RMS, 10Hz-10MHz Integration) Output Power>30W@1550-1560nm
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	0.6±0.2mm
Beam Quality	TEM00, M ² <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

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