Single-frequency pulsed erbium-doped fiber amplifier

ERBIUM-DOPED FIBER AMPLIFIERS (EDFA)

The single-frequency pulse erbium-doped fiber amplifier is a fiber amplifier dedicated to narrow linewidth single-frequency nanosecond pulses. The spectral linewidth of the input laser pulse can be as low as kHz. It can achieve high pulse energy output while effectively suppressing nonlinear effects., single mode or polarization maintaining fiber output. Can be used for distributed sensing, Doppler lidar and other applications.

Specifications

Parameter	Specification
Wavelength range (nm)	1540~1560
Pulse width (ns)	10~200
Pulse frequency (kHz)	5~20
Input pulse peak power (mW)	10~50
Output pulse peak power (W)	10~100
Output light single pulse energy (uJ)	10~20
Input/Output isolation (dB)	≥ 35
Pigtail type and connectors	SMF-28/PM1550
Working mode	automatic current control (ACC)

* Output light single pulse energy: @ 200ns ,10kHz
* pigtail type and connectors: FC/APC
* working mode: Note 2

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

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