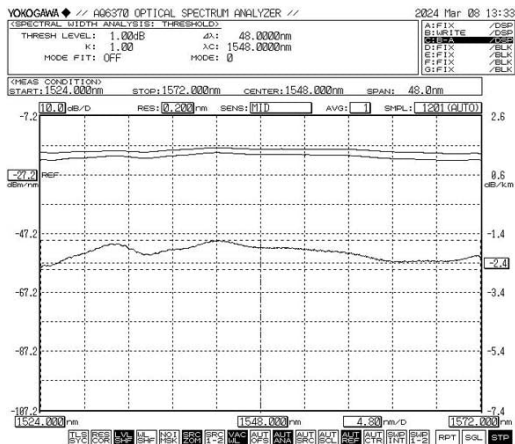


C++ band gain-flattened erbium-doped fiber amplifier

ERBIUM-DOPED FIBER AMPLIFIERS (EDFA)



The C++ band gain-flattening erbium-doped fiber amplifier is an optical fiber amplifier product specially used in optical fiber communication systems. It can simultaneously amplify multiple wavelength signals in the C++ band, covering the wavelength range of 1524-1572nm (frequency 190.65~196.675THz), and maintain the same gain between wavelengths, and the gain flatness is ≤ 1.5 dB. It has the advantages of ultra-wide spectrum, high gain, low noise, and flat gain.

Specifications

Parameter	Specification
Wavelength range (nm)	1524
Single wavelength Input power (dBm)	-16
Total input power	5
Total Output power (dBm)	14
Noise figure (dB)	4.8
Gain flatness (dB)	1.5
Polarization dependent gain (dB)	<0.3
Polarization mode dispersion (ps)	0.5
Input/Output isolation (dB)	>35
Optical power monitoring	Output optical power monitoring
Pigtail type and connectors	SMF-28
Working mode	ACC/ APC/ AGC

- * wavelength range: C++ band
- * single wavelength Input power: single wavelength power
- * total input power: 120 wavelengths total power
- * noise figure: @Pout=24dBm
- * gain flatness: @8dBm total input
- * pigtail type and connectors: FC/APC

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