



OTE-EFA-001 1550nm Erbium-Doped Fiber Amplifier

MODEL: OTE-EFA-001



Specifications

- Use world famous-known Raman PUMP laser.
- Lower noise, high gain bandwidth, flexible gain and stable temperature etc.
- Use distributed Raman amplifiers, it can reduce the span loss 5.5dB
- Humanized display of using time, temperature, voltage, optical power and failure warning.
- Built-in sound control circuit and a microcomputer automatically embedded blue front panel LCD display, accurate real-time monitoring laser output power and a variety of working conditions, ensure a stable output power.
- Excellent ability of multistage lightning protection, automatic temperature control and automatic power switching, ensure long-time stable and continuous working in an adverse environment.
- Beautiful 19-inch standard rack case, the structure of scientific and reasonable process, excellent overall performance indicators is an essential pre-amplifier for all CATV engine room.
- Intelligent: RG-45 Ethernet interface is optional, for implementing a monitor system under <GB/T 20030—2005 Specification of Equipment Management System of HFC Network>.

Technical parameter

Items	Units	Technical Parameter	Remarks
Wavelength of Laser	(nm)	1540~1560	
PUMP Optical Power	(mw)	400	
Raman Switch Gain	(dB)	6±0.5	
		8±1	
		10±1	
		12±1	
		14±1	
		16±1	
Gain Flatness	(dB)	1.0	
Noise Factor	(dB)	0	
PMD	(ps)	0.2	
PDG	(dB)	0.4	
PDL	(dB)	0.1	
Voltage	(V)	90~265	-48VDC (optional)
Power Consumption	(W)	≤30	
Working Temperature	(°)	-20~+50	
Store Temperature	(°)	-30~+70	
Size	(mm)	482x340x45	L x W x H

Due to continuous improvement, all products specifications are subject to change without further notice.
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