

# CATV Optical Erbium Doped Fiber Amplifier



Erbium doped Fiber Amplifier 1550nm is one of the most important optical transmit equipment which is used in the long transmitting of the television picture signal, digital television signal and data signal. This products is amplified the fiber signal and transmitted to the user, it is widely used in FTTB FTTH Network system.

- **Double pump or single Pump laser optional(980/1480)**
- **Microprocessor automatic control circuit.**
- **Support hot insertion and extraction version with plug -able power**
- **High performance Erbium-Doped fiber.**
- **Low noise, high power and excellent reliability.**
- **Output optical power 14 ~ 23 dBm.**
- **19" 1U standard with LCD display.**
- **SNMP management with HMS international standard(RJ45 interface)**

## SPECIFICATIONS:

Items	Unit	Technical Parameter	Adding Information
Region Width	nm	1535~1565	
Input Optical Power	dBm	-3~+10	1550nm

Output Optical Power	dBm	23	@+6dbm input
Output Optical Power Stable Figure	dBm	±0.5	@+6dbm input
Noise Coffined	dB	≤5.0	Input Optical Power 0dBm
Reflection Input Interface	dB	≥45	
Output Interface	dB	≥45	
Pump leak Power Input	dB	≤-30	
Output	dB	≤-30	
C/N	dB	≥51	59channle PAL
C/CTB	dB	≥65	59 channel PAL
C/CSO	dB	≥63	59 channel PAL
Optical Connector Type		FC/APC or SC/APC	Max 4 output
Voltage of the power supply	V	~AC160V~250V(50Hz)	
Working Temperature	°C	-5~+55	
Maximum Humidity	%	95%(without cooling)	
Temperature Storage	°C	-30~+70	
Maximum Storage Humidity	%	95%(without cooling)	
Size	mm	483(width)*381(width)*44(height)	

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