

SOFTEL CATV MEA Building Erbium Doped Fiber Amplifier (With lithium)



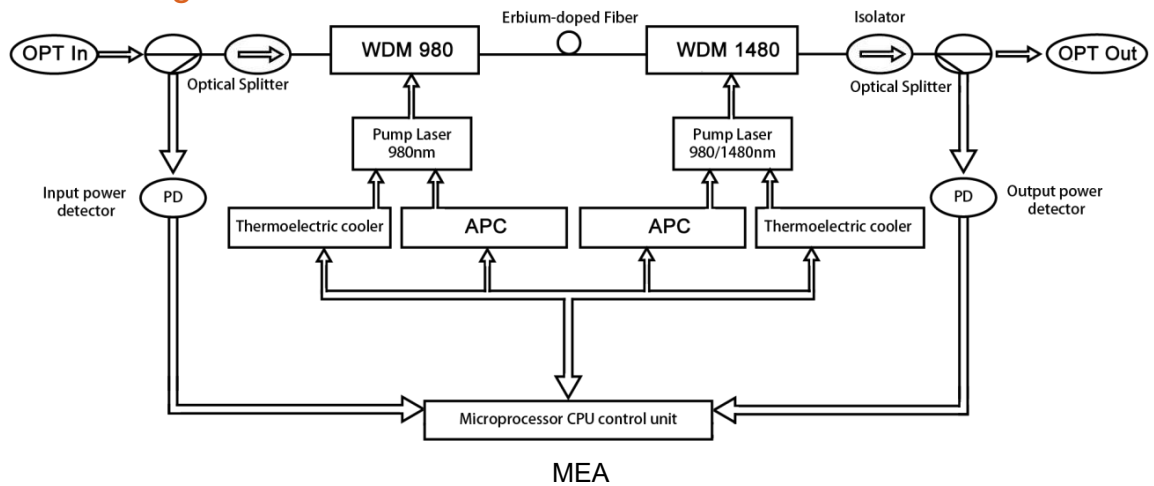
■ Performance characteristics

- ◆ Select internationally renowned brands of low noise pump lasers, It has low distortion, wide band, high output optical power.
- ◆ Imported high-performance Erbium-doped fiber, high energy conversion efficiency.
- ◆ 32-bit ARM processor, light control output accuracy of $\pm 0.1\text{dBm}$.
- ◆ Optical power receiving range $-5\text{dBm} \sim +10\text{dBm}$, optical power output $13\sim 24\text{dBm}$.
- ◆ Operating mode APC.
- ◆ All control circuits and devices use high-efficiency switching chips, and the overall power consumption is $\leq 10\text{W}$.
- ◆ External 9V power supply, power connector can select national standard, European standard, or American standard.
- ◆ Built-in lithium battery, to ensure equipment can go on work after power failure.

■ Applications

The equipment is a building erbium-doped fiber amplifier independently developed and produced by our company. The product is compact, easy to install and debug, high cost performance, stability and reliability, Power failure endurance, used for 1550nm optical signal relay transmission in general power supply environment (frequent power failure).

■ Block diagram

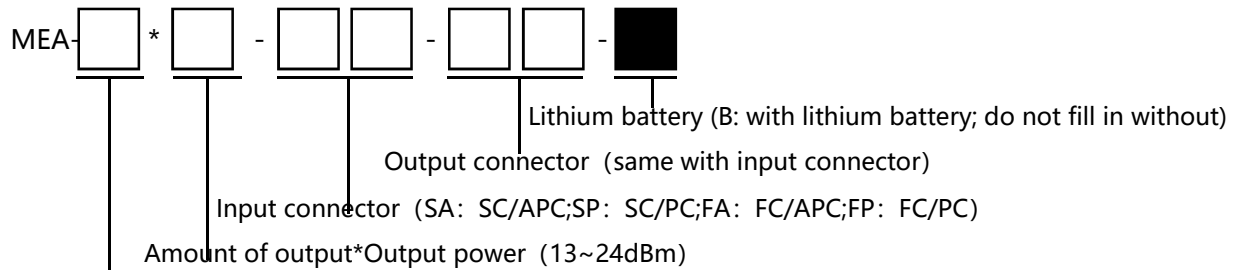


■ Technical parameters

Item		Technical Parameter	Note
Bandwidth		1535~1565nm	
Input Power Range		-5dBm~ +10dBm	Nominal input + 3 dBm
Output Power Range		(13~14) dBm	
Output Power Stability		±0.1dBm	
Noise Figure		≤5.0dB	@ +0dBm input, λ=1550nm
Return	Input	≥45dB	
	Output	≥45dB	
Optical Connector Type		SC/APC (Standard) & FC/APC	Customizable
C/N		≥50dB	Test condition: GT/T 184-2002
C/CTB		≥63dB	
C/CSO		≥63dB	
Power Supply		DC 9V	External power supply
Power consumption		≤10W	
Operating Temperature		-5~+42°C	
Storage Temperature Range		-30~+70°C	
Humidity		95% (non-condensing)	
Size		310(L)*243(W)*81(H)mm	
Weight (with packing box)		1.2Kg	Equipment & Power Supply

■ Model guide

MEA-Number of output ports * output power per port-input connector form-output optical connector form-whether or not with lithium battery (Note: black box will not be written when there is no order demand)

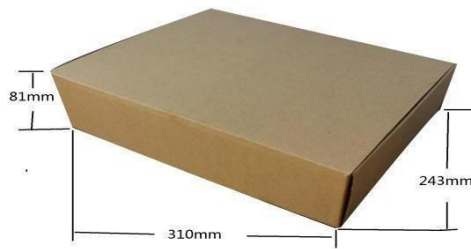


Number of output ports (1: single port; 2: 2 ports; 4: 4 ports)

Example: MEA-4*16-SA-SA-B

Explanation: This is a SOFTEL brand erbium-doped fiber amplifier with lithium battery function; the number of output ports is 4; the output power of each port is 16dBm, the input connector is SC / APC, and the output optical connector is SC / APC; Lithium battery.

■ Package & Label



1 pc/carton

With lithium Erbium Doped Fiber Amplifier

Model: WS-MEA
Voltage: 9V DC
Desc.: 4*16-SA-SA-B



19/10

Product label