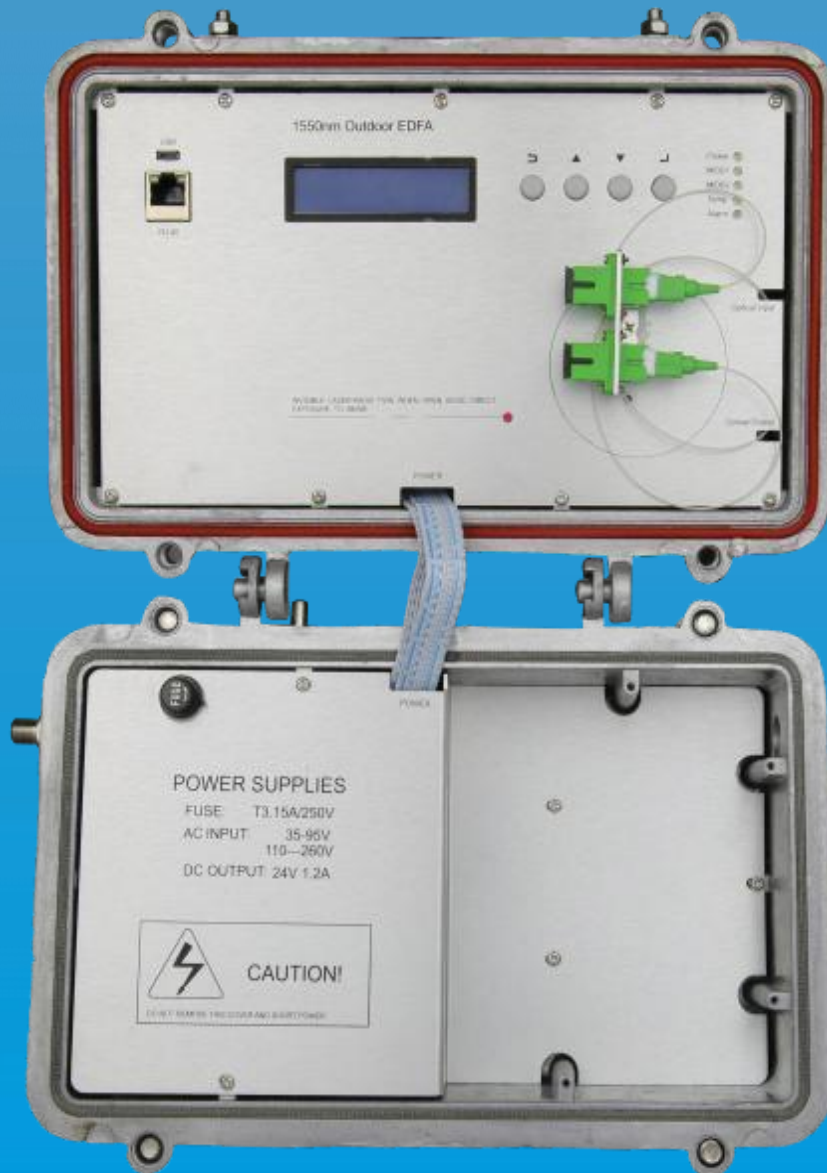


EA1500-O Outdoor Erbium Doped Fiber Amplifier



POWER SUPPLIES

FUSE T3.15A/250V
AC INPUT 35-95V
110-260V
DC OUTPUT 24V 1.2A



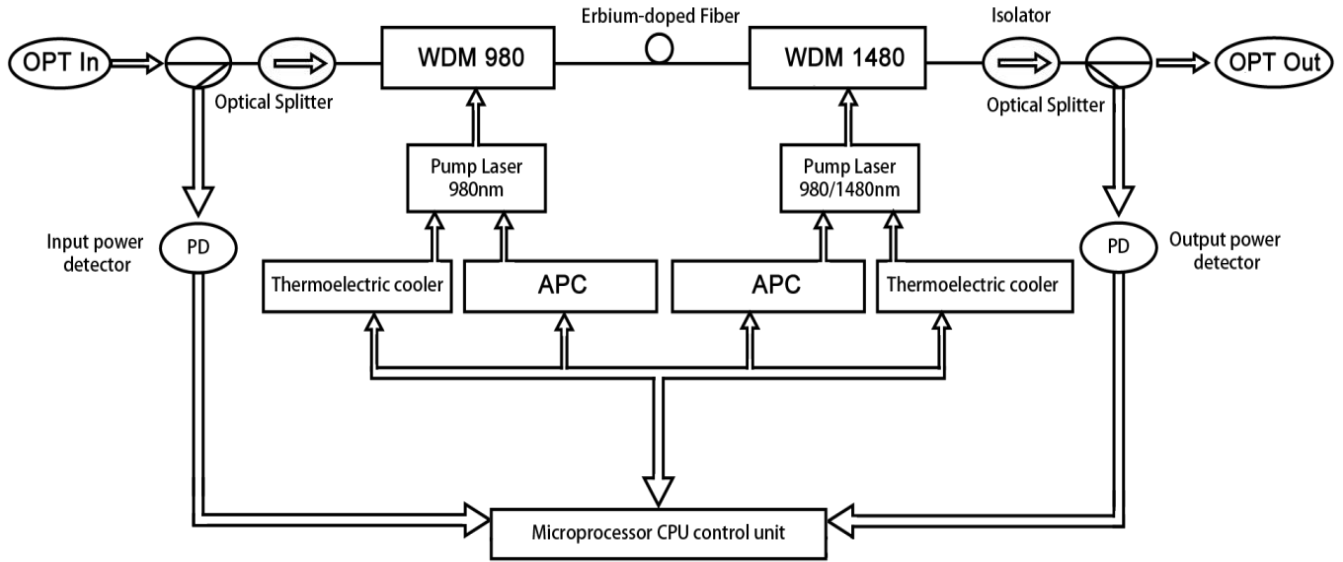
Performance characteristics

- Adopted internationally renowned brand low noise pump lasers, low distortion, wide band, high output optical power.
- Imported high-performance erbium-doped fiber, high energy conversion efficiency.
- Optical power receiving range -5dBm ~ +10dBm, optical power output 13~26dBm.
- 32-bit ARM control chip, real-time monitoring of the working status and operating parameters, light control output accuracy of ± 0.1 dBm.
- Working mode APC/ACC optional.
- Output power +0.2~-4dBm adjustable.
- All control circuits and devices use high efficiency switching chips, and the overall power consumption is ≤ 15 W.
- Standard SNMP network management enables remote parameter monitoring and reset.

Applications

This equipment is an outdoor erbium-doped fiber amplifier independently researched and developed by the company. The product adopts high heat-conducting die-casting aluminum profiles as a whole. The housing has high thermal conductivity and good waterproof performance. It is a harsh environment and is not conducive to the secondary construction of remote areas. Network, the ideal product for long-distance transmission in 1550nm optical signals

Block Diagram

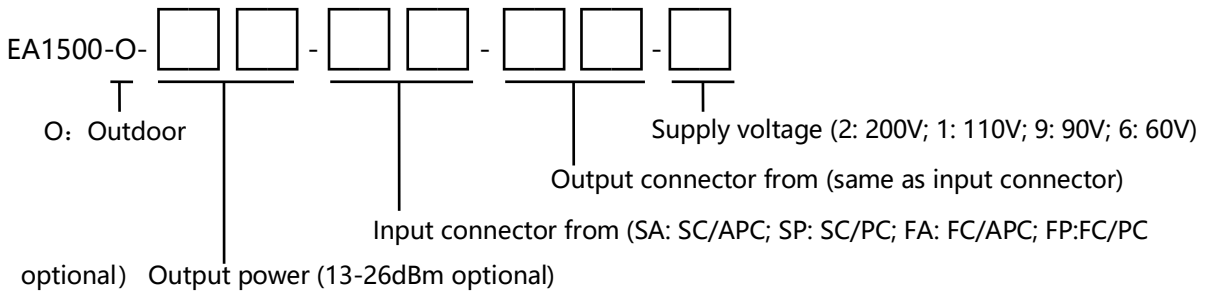


Technical Parameters

Technical Parameters		EA1500-O	Note
Working bandwidth		1535~1565 nm	
Input optical power range		-5dBm~ +10dBm	Nominal input +3dBm
Output optical power range		(13~26) dBm	
Output power stability		±0.1 dBm	
Noise Figure		≤ 5.0 dB	@+0dBm input, λ =1550nm
Return Loss	Input side	≥ 45 dB	
	Output side	≥ 45 dB	
Optical connector type		SC/APC (Standard) &FC/APC	Customers can customize
C/N		≥ 50 dB	Test conditions are performed according to GT/T 184-2002
C/CTB		≥ 63 dB	
C/CSO		≥ 63 dB	
Voltage		AC60V;AC220V	Customers can customize
Total power consumption		≤ 10 W	
Range of working temperature		-40 - +50 °C	
Maximum working relative humidity		Up to 95% non-condensing	
Storage temperature range		-30 ~ +70 °C	
Maximum storage relative humidity		Up to 95% non-condensing	
Dimensions		333(L)*218(W)*126(H) mm	
Package size		342*232*164 mm	
Weight (including packing box)		4 kg	

Model guide

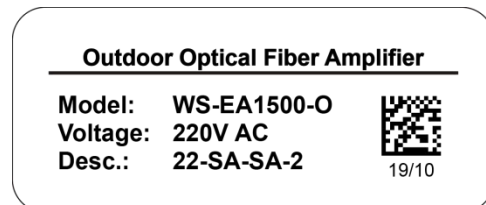
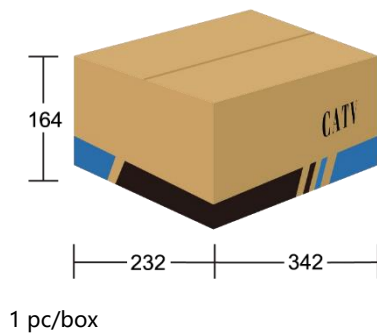
EA1500-O - Overall Power Value - Input Optical Connector Type - Output Optical Connector Type+Supply voltage:



Example: EA1500-O-22-SA-SA-2

Explanation: This is field optical fiber amplifier, Output power is 22dBm, input connector is SC/APC, output optical connector is SC/APC, power supply voltage is 220V.

■ Package & Label



For More Information

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