

1550nm Erbium-Doped Fiber Amplifier



Features

- Using mechanical and fan for high efficient heat dissipation and pump laser install in the aluminium box, achieve the perfect and stable circuit of optic power output and controlling circuit of thermoelectric refrigeration device of pump laser assure the best quality for user and stable working for a long time
- The output optical power can be adjusted through the button in the panel or the software, the extend range is 0.5dBm, and minus range is 4dBm.
- Standard RJ 45 port for remote control, we can provide output contract and web manager for choice, and also plug-in SNMP hardware can be reserved for update
- The RS-232 standard connector makes it is possible to manage on line and monitor in other place
- Adopts America JDSU, Bookham and Japan FERETEC Pump laser, and the Erbium-Doped fiber is America OFS
- Front panel VFD or LED displays the working condition of the machine and the fault warning
- Dual power and hot plug power supply for choice and it can work with the voltage from 90V to 265V or -48V DC
- The max output power is 27dBm(500mW)

Parameters

Parameter Item	1550-14	1550-15	1550-16	1550-17	1550-18	1550-19	1550-20	1550-21	1550-22~27
Output Power (dBm)	14	15	16	17	18	19	20	21	22~27
Output Power (mW)	25	32	40	50	63	80	100	125	160~500
Input Power(dBm)	-3~+10								
Output adjustable range (dBm)	Up0.5 down4.0								
Wavelength (nm)	1540~1560								
Output Power Stability(dB)	<±0.2								
Bias oscillation sensitivity (dB)	<0.2								
Bias oscillation dispersion (PS)	<0.5								
Optical return loss (dB)	≥45								
Fiber connector	FC/APC、SC/APC								
Noise ratio (dB)	<5.0(Input 0dBm)								
Network Management connector	RJ45(SNMP)、RS232								
Power loss (W)	50								
Working Voltage (V)	220VAC(100~240)、-48DCV								
Working Temp (°C)	0~50								
Storage Temp	-25°C~+65°C								
Size (mm)	483×370×44								
NW (Kg)	5.0								