



DW-EDFA55MO

High power multi output optical fiber amplifier (EDFA)



Overview

DW-EDFA55MO is a gain spectrum bandwidth at 1540 ~ 1563nm high power multi output optical fiber amplifier. Imported brands of pump laser and the United States OFS erbium doped fiber, 1RU frame, the total output power can be > 1000mW, can provide at most 16 light output. Improvement of APC, ACC, ATC control, good ventilation and heat dissipation design, ensure that the PUMP Laser long life and high reliability. RS232 and RJ45 serial communication and SNMP network management interface. The front panel of the LCD provide machine working parameters and warning. Lost light, laser automatic closing, provides the laser safety protection. All ports can be found in the front panel mounting, can also choose in the rear panel installation.

Features

- ◆ Pump laser and erbium-doped fiber are imported.
- ◆ 500 ~ 1260mW (27 ~ 31dBm) high output power
- ◆ Low noise (Typ = 4.5dB, Max = 5.0dB, Output = 31dBm)
- ◆ APC, ACC, ATC control selection
- ◆ The front panel is provided with input and output indicating lamp, an alarm lamp.
- ◆ Reliable optical power output stabilizing circuit and laser heating refrigeration stability control circuit,
- ◆ With RS-232 and RS-485 standard interface and advanced SNMP network management function.
- ◆ Double backup switch power supply, can be used in the 110 - 254V or - 48V electric work.



Technical parameters

Performance		Index
Optic Port	Working wavelength (nm)	1540~1563
	Input optical power range (dBm)	-3~+10、-10~+10 (-10dBm Only applicable to low light input type)
	Output power (dBm)	+27~+32
	Output port number (pcs)	8、16、32
	Output phase difference (dB)	-0.5~+0.5
	Noise coefficient	6.3 (Pin=0dBm)
	Polarization dependent loss (dB)	0.3
	Polarization dependent gain (dB)	0.4
	Polarization mode dispersion (ps)	0.3
	Pump leakage power (dBm)	-30
General Information	Optical fiber connector	FC/APC/SC/APC (Or specified by the user)
	Network management interface	RJ45(SNMP), RS232 Or RS485
	Working voltage (V)	90~265mains (Optional -48VDC)
	Power waste (W)	150
	Working temperature (°C)	-5~65
	Storage temperature (°C)	-40~80
	Relative humidity (%)	5~95
	Box size (")	19 (W) × 14.7(D) × 3.5(H)