

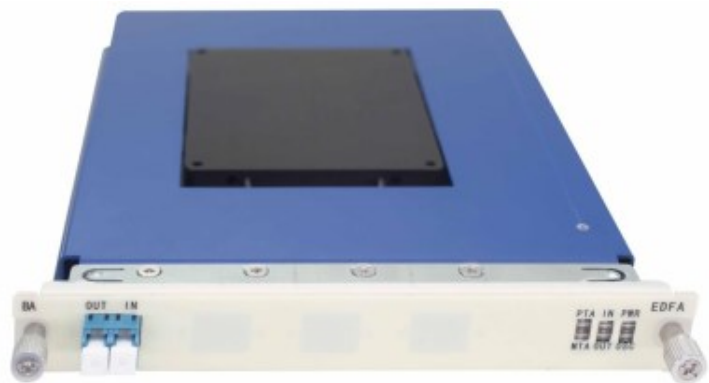


SEPITAM

ONE STEP SMARTER

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SEPITAM
EDFA-PA-G25P20-C



TYPE:

Sepitam-EDFA-PA-G25P20-C

Sepitam WDM multiplexers, including CWDM and DWDM, support various transmission rates and long-distance coverage while utilizing standard wavelengths. They enable the high-speed transmission of multiple services with optimized fiber utilization. Integration with OTN networks and the deployment of various modules such as EDFA, DCM, OTU, and etc. enhance the efficiency and performance of fiber optic networks, ensuring the quality and speed required by customers.



- ▶ TYPE: Sepitam-EDFA-PA-G25P20-C
- ▶ Technical Specification of Sepitam-EDFA-PA-G25P20-C
- ▶ Erbium-Doped Fiber Amplifier

▶ Description:

EDFA is the erbium-doped fiber amplification board. Its main function is to compensate the power of the signal optical in the transmission line, and it can amplify the optical signals of up to 48 channels with 100 GHz's interval (or 96 channels with 50 GHz's interval) at C band at the same time. It has characters of flat gain, locked gain, low noise index, etc. It's an indispensable and important component for DWDM system, future high speed system and all-optical network long-distance transmission.

▶ Properties:

- Low noise figure: typical 5.0dB
- High flatness: typical 1Db
- Cover whole C-Band: carry 40 or 80 channel
- Redundancy hot swap power module: 110/220VAC and 48VDC can plug Mix
- High precise AGC and ATC circuit
- High saturation output power
- Flexible mechanics and circuit structure (Module, 1U rack and Gain Block)



► Applications:

- Pre-Amplifier (PA)
- Online-Amplifier (LA)
- Booster-Amplifier (BA)
- DWDM optical system

► Specification:

Parameter	Min.	Typical	Max.	Unit
Operating Wavelength	1527.8	1550	1565.6	nm
Input power	-30		-5	dBm
Gain		25		dB
Output power			20	dBm
Input optical power threshold	-30		-40	dBm
Gain flatness		0.6	1.5	dB
Noise figure		5.0		dB
Input/output Isolation	30			dB
Output Pump leakage			-30	dBm
Input/output return loss	45			dB
polarization dependent loss			0.5	dB
Polarization mode dispersion			0.5	ps
Operating Temperature	-5		55	°C



Parameter	Min.	Typical	Max.	Unit
Humidity	5		95	%
Storage Temperature	-40		85	°C
power consumption			30	W
Dimension	177 (W) × 20 (H) × 225 (D) (mm)			mm

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Info@sepitam.com