

Multi-channel Erbium doped fiber amplifier card

■ Product Description

The product is multi-channel EDFA of high flattening and high stable output. The kernel component of the product is high availability pump laser and high-performance gain flattening filters. The product has high stable output, high gain flatness and high reliability by using unique APC (automatic power control) and ATC (automatic temperature control). The system's flatness and noise can achieve the best optimization by the gain flattening filters of professional design. The system is convenient to regulation and display, reliable, intelligent by using high stable and high precision MPU.

■ Applications

- C-band 40/80CH DWDM
- Other optical systems

■ Product features

- Low-noise high flatness design
- Adjustable output power
- High precision ATC keep system stable operation
- Precision AGC / APC circuit keeps the output Power stability
- Card design highly integrated, space-saving cabinet
- Expansion is very convenient
- Strict accordance with Bellcore GR-1312-CORE requirement for design



■ Performance index

OBA

Parameters	Unit	Symb	Min	Typ	Max
Operating Wavelength	nm	λ_c	1528	-----	1564
Saturate Output Power	dBm	Po	13	-----	22
Input Power	dBm	Pi	-23	-----	+12
Gain	dB	G	8	-----	24
Noise Figure	dB	NF	-----	4.5	6
Power/Gain Stability	dB	ΔP_o	-----	± 0.05	± 0.2
Input Isolation	dB	ISOi	30	-----	-----
Output Isolation	dB	ISOo	30	-----	-----
Flatness	dB	GF	-----	1	1.5
Return loss	dB	RL	-----	-----	-45
PDG	dB	PDG	-----	-----	0.3
PMD	ps	PMD	-----	-----	0.5
Consumption	W	P	-----	-----	10

OPA

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■ **Laser class information security**

IIIb level laser products

With single-mode fiber pigtail connectors

Wavelength: 0.96~1.68 μ m

Maximum power: <400mW

Products cannot be transported in a charged state

Note: this instruction outside of any control, regulation and treatment may result in hazardous radiation exposure

