

# OA 1155-32-21 W Series High Power Optical Amplifier

## Product Overview



OA 1155-32-21 W Series High Power Optical Amplifier is designed by DCT Delta GmbH for FTTH application of CATV network. The product is high output power C-Band Er-Yb co-doped double cladding optical fiber amplifier. The unique optical circuit design ensures the excellent optical performance. The high stability and high precision MPU system to ensure the control, adjustment and display are intelligent and easy.

These products are widely used in CATV transmission system and the high power distributing system FTTH requirement. It can be used for CATV analog/digital signal distribution, or match with PON system to construction the triple network integration. Triple wavelength WDM and build in optical switch for input backup are optional

## Feature

- High power: up to 10W total
- Low Noise Figure
- Low CSO: <-70dBc
- The output power is adjustable;
- Controllability and maneuverability: Dual CPU to deal Control loop and communication separately;
- Optional build in WDM for PON Multiplex;
- Optional build in optical switch for input backup;
- Hot SWAP power module;
- Support Telnet and SNMP network management

## Optical Characteristics

Parameters	Symbol	Min.	Typ.	Max.	Unit
Wavelength	$\lambda_c$	1545	1550	1565	nm
Output port				32	
Output Power (Each port)			20		dBm
Input Power	Pi	-10	-----	+10	dBm
Noise Figure <sup>(2)</sup>	NF	-----	5.5	6	dB
Output power stability	$\Delta P_o$	-----	$\pm 0.2$	$\pm 0.5$	dB
Input/Output Isolator	ISO i/o	$\geq 40$	-----	-----	dB
Input/output Pump	PumpL in/out	-----	-----	-30	dB

Leakage					
Return Loss	RL	50	-----	-----	dB
PDG	PDG	-----	-----	0.5	dB
PMD	PMD	-----	-----	0.5	ps

(1): Optional

(2): Test at 0dBm input

## Electric Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit
Voltage	Vps	200	220	240	VAC
Consumption ※	P	-----	-----	80	W

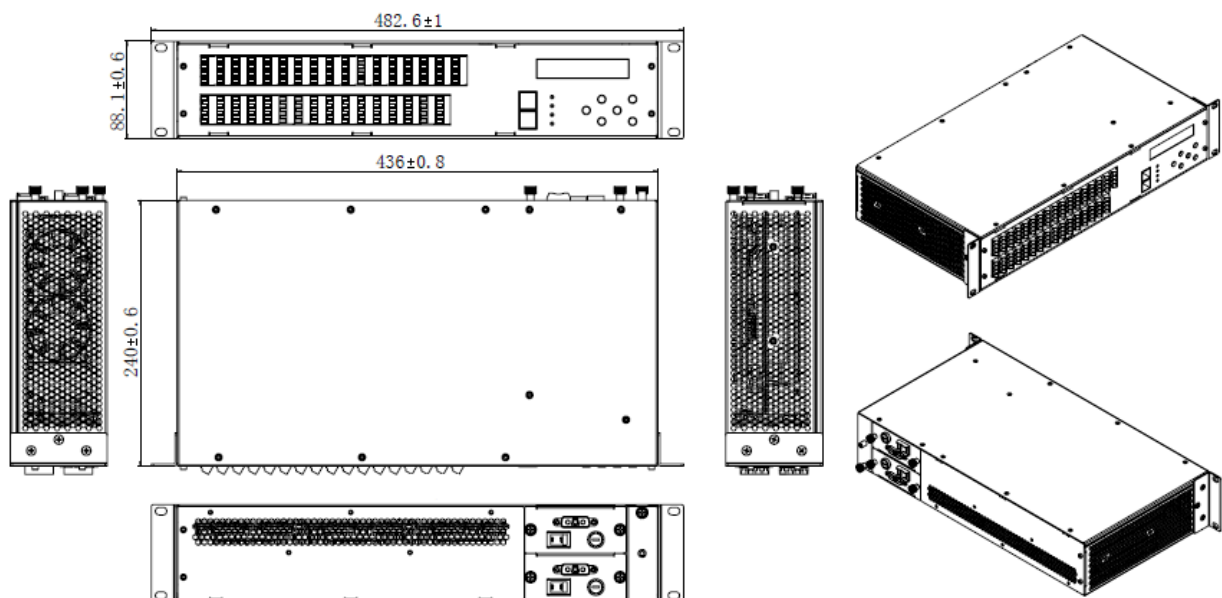
※ Actual consumption depend on the output power and environment temperature

## Environmental Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit
Working Temperature	Tw	-5	-----	65	°C
Storage Temperature	Ts	-25	-----	65	°C
Humidity	-----	0	-----	95	%

(3): Non-condensing

## Mechanical Dimension



483\*240\*88 (mm)