

Fiber Optical RF Unit (for U)

# Optical CATV Optical Fiber Amplifier OFA-CCR Series

The Standard EDFA OFA-CCR series is a full-functioning EDFA module with control circuitry packaged inside. It is designed for a single wavelength and narrow band fiber optic communications system in core networks, access networks, or CATV networks. The OFA-CCR series provides very stable output power up to 25dBm and noise figure of less than 6dB in C-band over wide operating temperature range.

Compact size (200 x 120 x 30 mm), combined with extremely low power consumption, allows the OFA-CCR series to be highly suitable for applications of power equalization or pre-emphasis in very crowded telecom and CATV transmission systems

## Features

- Including electric control circuits
- CATV-network-proven low noise figure and superb non-linearity performance
- High output power up to 26dBm
- Wide input dynamic range
- Low noise figure
- Input QAM Filter is available (Optional)
- Output Tri-plex Filter or Quad-plex Filter is available (Optional)
- Output Monitor Port is available (Optional)
- Easy operation
- APC (Automatic Power Control)
- Control & monitor with R232
- DC 12V Power Supply

## Applications

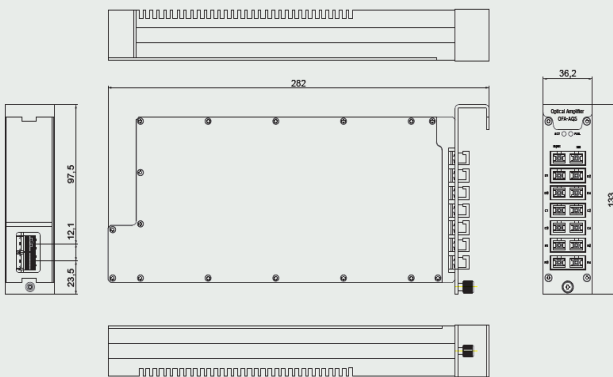
- PON ( passive optical networks) and FTTH
- CATV network
  - Power booster, Line Amp
  - Distribution, Supertrunking



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## OFA-CCR Series



### Electrical characteristics (OFA-CCR-1704)

Parameter	Specifications	Unit
Power supply voltage	DC -36 ~ -72	Volt
Power Consumption	< 40	W

### Optical Characteristics (OFA-CCR-1704)

Parameter	Specifications	Unit
Wavelength Range	1530~1560	nm
Input Power Range	-10 ~ 12	dBm
Port Output power	Typ. 17	dBm
# of Output Ports	Typ. 4	-
NF	Max. 6	dB
ORX Loss	Max. 1.5	dB
PON Loss	Max. 1	dB
PDG	Max. 0.3	dB
Input/Output isolations	Min. 30	dB
Input / Output Connectors	SC/APC, SC/PC	-

### Environmental characteristics (OFA-CCR-1704)

Parameter	Specifications	Unit
Operating temperature	0 ~ 50	°C
Storage temperature	-20 ~ 85	°C
Storage humidity	5 ~ 95	% R.H

### Ordering Information

OFA - CCR - XX<sub>1</sub>XX<sub>2</sub> -

XX<sub>1</sub> : Output Power  
 XX<sub>2</sub> : Output port numbers

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