

# QI-PA-5-500-1

## 5~500MHz

- Features:
- \* Broadband
  - \* High Dynamic Range

- Applications:
- \* Wireless
  - \* Transmitter
  - \* Laboratory Test
  - \* Radar



### Description

This is a system composed of 5 independent amplifier channels. The specifications for each amplifier channel are provided in the table below.

#### Electrical

Frequency:	5~500MHz
Gain:	33dB min.
Gain Flatness:	±1.5dB typ.
VSWR:	1.5 typ.
Output Power (Psat):	36dBm typ.
Current*1:	1.5A typ.
Voltage:	+24V DC

[1] When all five amplifiers are operating simultaneously, the current is 8A.

#### Absolute Maximum Ratings\*2

RF Input Power:	+10dBm
Voltage:	+35V

[2] Permanent damage may occur if any of these limits are exceeded.

#### Mechanical

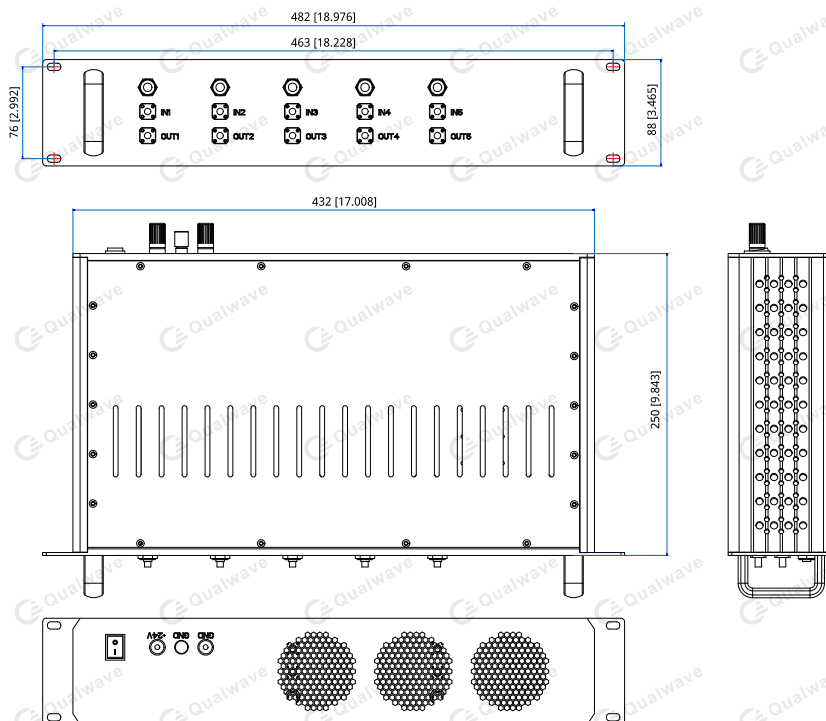
Size*3:	482*250*88mm 18.976*9.843*3.465in
RF Connectors:	SMA Female
Power Supply Connectors:	Banana Head
Control Interface:	Power Button

[3] Exclude connectors, rack mount brackets, handles.

#### Environmental

Operating Temperature:	0~+50°C
Non-operating Temperature:	-25~+65°C

### Outline Drawings



Unit: mm [in] Tolerance: ±0.5mm [±0.02in]

**How To Order**  
**QI-PA-5-500-1**

Customization is available upon request.