

# QPA-6000-18000-51-51S

6~18GHz, 51dB, 51dBm

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| <b>Features:</b><br>* Small Size<br>* Low Power Consumption | <b>Applications:</b><br>* Wireless<br>* Transmitter<br>* Laboratory Test |
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## Electrical

Frequency:	6~18GHz
Power Gain:	51dB typ.
Gain Flatness:	±2dB typ.
Output Power (P <sub>sat</sub> ):	51dBm typ.
Harmonic:	-15dBc typ. @100W
Spurious:	-55dBc typ.
Input VSWR:	1.9 typ.
Voltage:	28V DC typ.
Current:	42A typ.
Impedance:	50Ω

## Absolute Maximum Ratings<sup>\*1</sup>

RF Input Power:	+5dBm max.
Load VSWR:	3 @80W
Over Temperature:	80°C @heatsink

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

## Mechanical

Size <sup>*2</sup> :	260*216*110mm 10.236*8.504*4.331in
RF In Connectors:	SMA Female
RF Out Connectors:	N Female
Power Supply Interface:	J29A-37ZKP
Cooling:	Forced air (With heatsink)
Weight:	8kg max.

[2] Exclude connectors.

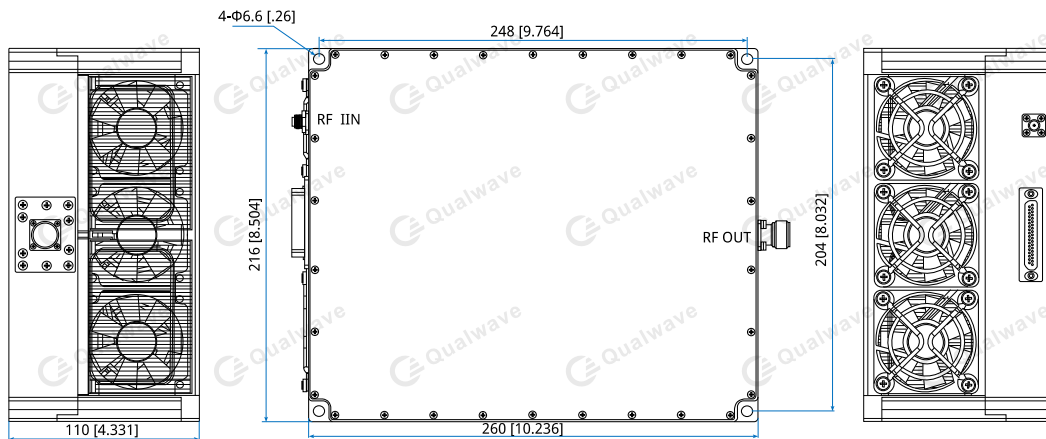
## Environmental

Operating Temperature:	-40~+60°C
Non-Operating Temperature:	-45~+85°C
Humidity:	5~95%

## Pin Numbering

Pin	Function	Pin	Function
1~15	VDD	33	Current sense
16~31, 36-37	GND	34	Current alarm
32	Enable	35	Temp alarm

## Outline Drawings



Unit: mm [in]  
 Tolerance: ±0.2mm [±0.008in]

## How To Order

**QPA-6000-18000-51-51S**

Customization is available upon request.