

## QPA-2500-6000-47-47S

2.5~6GHz, 47dB, 47dBm

### Features:

- \* Small Size
- \* Low Power Consumption

### Applications:

- \* Wireless
- \* Transmitter
- \* Laboratory Test

### Electrical

Frequency:	2.5~6GHz
Small Signal Gain:	47dB min.
Gain Flatness:	4±1dB max.
Input VSWR:	2 max.
Output Power (Psat):	47dBm min.
Input Power:	3±1dBm
	+6dBm max.
Spurious:	-65dBc max.
Harmonic:	-10dBc min.
Voltage:	28V/15A VCC
	+30V max.
PTT:	5V (On)
Current:	7~10A max
Protection Function*1:	Over 80°C protection
	Open circuit protection
Impedance:	50Ω

[1] Because the frequency is too wide mismatch voltage is different, some frequency point open circuit is not protected.

### Mechanical

Size*2:	222*99.5*27.5mm
	8.74*3.917*1.083in
RF In Connectors:	SMA Female
RF Out Connectors:	SMA Female
Mounting:	8-Φ3.5mm through-hole
Power Supply Interface*3:	Feed through/Terminal post

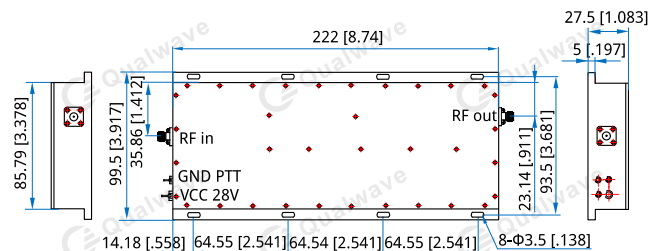
[2] Exclude connectors.

[3] Install heat sink during testing.

### Environmental

Operating Temperature:	-25~+55°C
------------------------	-----------

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

### How To Order

**QPA-2500-6000-47-47S**

Customization is available upon request.