Qualwave

Power Amplifier

# QPA-2620-2690-47-47S

## 2.62~2.69GHz, 47dB, 47dBm

Features:
* Small Size
* Low Power Consumption

Applications:
* Wireless
* Transmitter
* Laboratory Test

## Electrical

| | |
|---|---|
| Frequency: | 2.62~2.69GHz |
| Gain: | 47dB min. |
| Gain Flatness: | 1±1dB max. |
| Output Power (Psat): | 47dBm min. |
| Spurious: | -65dBc max. |
| Harmonic: | -38dBc max |
| Input VSWR: | 1.7 |
| Voltage: | 28V/11A VCC (Reference)<br>+31V max. |
| Input Power: | 1±1dB |
| PTT: | +3.3~5V (On)<br>switching time: 5us max. |
| Current: | 7A max |
| Protection Function: | 80°C protection,<br>Open protection |
| Impedance: | 50Ω |

## Mechanical

| | |
|---|---|
| Size[*1]: | 200*84.5*25.5mm<br>7.874*3.327*1.004in |
| Weight: | 0.64kg |
| RF Connectors: | SMA Female |
| Power Supply Interface[*2]: | 4.2mm double row 6P female seat |
| Mounting: | 5-Φ3.4mm through-hole |

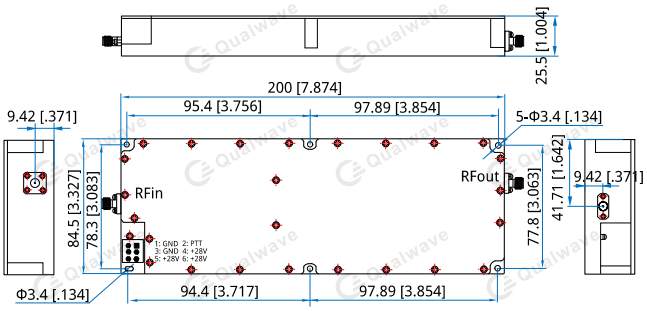
[1] Exclude connectors.

[2] Install heat sink during testing, outputs with isolators; Distribution 5557 connecting cable plug.

## Environmental

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

## Outline Drawings




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

## How To Order

QPA-2620-2690-47-47S

Customization is available upon request.