

# QPA-100-2500-40-40S

## 0.1~2.5GHz, 40dB, 40dBm

**Features:**

- \* Small Size
- \* Low Power Consumption

**Applications:**

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

**Electrical**

|                      |                      |
|----------------------|----------------------|
| Frequency:           | 0.1~2.5GHz           |
| Small Signal Gain:   | 40dB min.            |
| Gain Flatness:       | 4±1dB max.           |
| Output Power (Psat): | 40dBm min.           |
| Current:             | 2~3A max.            |
| Voltage:             | 28V/5A<br>31V max.   |
| Spurious:            | -65dBc max.          |
| Harmonic:            | 10dBc max.           |
| Input VSWR:          | 2 max.               |
| Input Power:         | 2±3dBm<br>+6dBm max. |
| PTT:                 | 3.3~5V (On)          |
| Impedance:           | 50Ω                  |

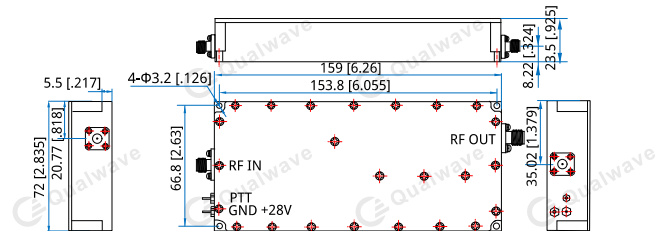
**Mechanical**

|  |                                     |
|--|-------------------------------------|
| Size <sup>*1</sup> :                   | 159*72*23.5mm<br>6.26*2.835*0.925in |
| RF Connectors:                         | SMA Female                          |
| Mounting:                              | 4-Φ3.2mm through-hole               |
| Power Supply Interface <sup>*2</sup> : | Feed Through/Terminal Post          |

[1] Exclude connectors.  
[2] Install heat sink during testing.

**Environmental**

Operating Temperature: -25~+55°C

**Outline Drawings**


Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

**How To Order**

**QPA-100-2500-40-40S**

Customization is available upon request.