

## QPA-1000-6000-52-50S

### 1~6GHz, 52dB, 50dBm

**Features:**

- \* Small Size
- \* Low Power Consumption

**Applications:**

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

**Electrical**

|                        |                         |
|------------------------|-------------------------|
| Frequency:             | 1~6GHz                  |
| Small Power Gain:      | 52dB min.               |
| Gain Flatness:         | 4±1dB max.              |
| Output Power (Psat)*1: | 49.54~50dBm min.        |
| Input Power:           | 2dBm                    |
|                        | +5dBm max.              |
| Spurious:              | -65dBc max.             |
| Harmonic:              | -11dBc max.             |
| Input VSWR:            | 1.8 max.                |
| Voltage:               | 30V/22A VCC (Reference) |
|                        | +31V max.               |
| PTT:                   | +3.3~5V (On)            |
| Current:               | 12~16.5A max.           |
| Protection Function:   | Over 80°C protection    |
| Impedance:             | 50Ω                     |

[1] At certain points, the power exceeds 92W.

**Mechanical**

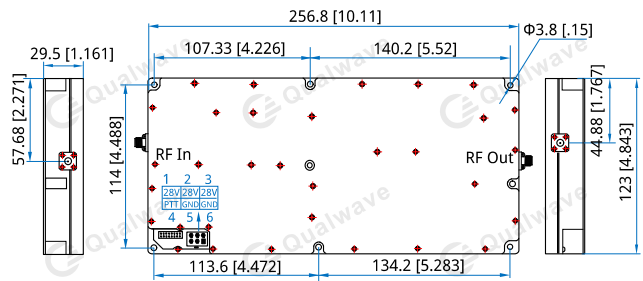
|                            |                     |
|----------------------------|---------------------|
| Size*2:                    | 256.8*123*29.5mm    |
|                            | 10.11*4.843*1.161in |
| Input Connector:           | SMA Female          |
| Output Connector:          | N Female            |
| Power Supply Connectors*3: | 5557-2X3-4.2mm6P    |
| Mounting:                  | Φ3.8mm through-hole |

[2] Exclude connectors.

[3] Install heat sink during testing.

**Environmental**

Operating Temperature: -30~+55°C

**Outline Drawings**


Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

**How To Order**

**QPA-1000-6000-52-50S**

Customization is available upon request.