

## QPA-5600-5800-30-53S

5.6~5.8GHz, 30dB, 53dBm

### Features:

- \* Small Size
- \* Low Power Consumption

### Applications:

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

### Electrical

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Frequency:           | 5.6~5.8GHz                                            |
| Gain:                | 30±1 min.                                             |
| Output Power (Psat): | 53dBm min.                                            |
| Output Power (P1dB): | 50dBm min.                                            |
| Input Power:         | 23±1dBm max.                                          |
| Spurious:            | -65dBc max.                                           |
| Harmonic:            | -30dBc max. @Psat 53dBm                               |
| Input VSWR:          | 1.7 max.                                              |
| Operating Current:   | 21~23A max.                                           |
| Voltage:             | 32V/26A VCC<br>+33V max.                              |
| Phase Noise:         | -100dBc typ. @100KHz max.<br>-130dBc typ. @10MHz max. |
| Protection Function: | Over 80°C protection<br>Open circuit protection       |
| PTT:                 | 3.3~5V (On)                                           |

### Mechanical

|                          |                                          |
|--------------------------|------------------------------------------|
| Size*1:                  | 276*122.5*29.5mm<br>10.866*4.823*1.161in |
| Input Connector:         | SMA Female                               |
| Output Connector:        | N Female                                 |
| Power Supply Connectors: | Feed Through/Terminal Post               |
| Mounting:                | Φ3.8mm through-hole                      |

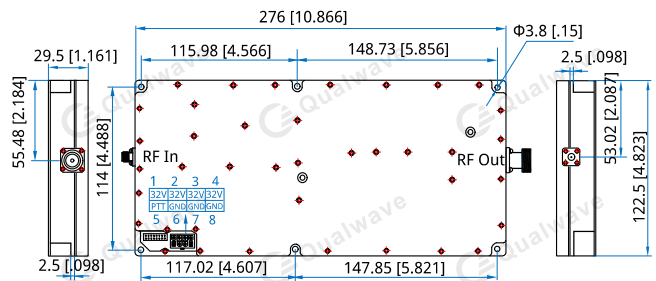
[1] Exclude connectors.

[2] The amplifier test requires the installation of a heat sink.

### Environmental

Operating Temperature: -25~+55°C

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

### How To Order

**QPA-5600-5800-30-53S**

Customization is available upon request.