

## FPA-0.009-250-47-47S

0.009~0.25GHz, 47dB, 47dBm

### Features:

- \* Small Size
- \* Low Power Consumption

### Applications:

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

### Electrical

|                      |                            |
|----------------------|----------------------------|
| Frequency:           | 9K~0.25GHz                 |
| Gain:                | 47dB min.                  |
| Gain Flatness:       | 3±1dB max.                 |
| Input VSWR:          | 2 max.                     |
| Output Power (Psat): | 47dBm min.                 |
| Input Power:         | 3dBm                       |
|                      | +6dBm max.                 |
| Spurious:            | -65dBc max.                |
| Harmonic:            | -20dBc max. @100W          |
| Voltage:             | 28~32V/16A VCC             |
|                      | +32V max.                  |
| PTT:                 | 3.3~5V (On)                |
| Current:             | 6~9A max.                  |
| Protection Function: | Over 80°C protection       |
|                      | No open circuit protection |
| Impedance:           | 50Ω                        |

### Mechanical

|                           |                            |
|---------------------------|----------------------------|
| Size*1:                   | 273*123.5*46.5mm           |
|                           | 10.748*4.862*1.831in       |
| RF In Connectors:         | SMA female                 |
| RF Out Connectors:        | N female                   |
| Mounting:                 | 6-Φ3.6mm through-hole      |
| Power Supply Interface*2: | Feed through/Terminal post |

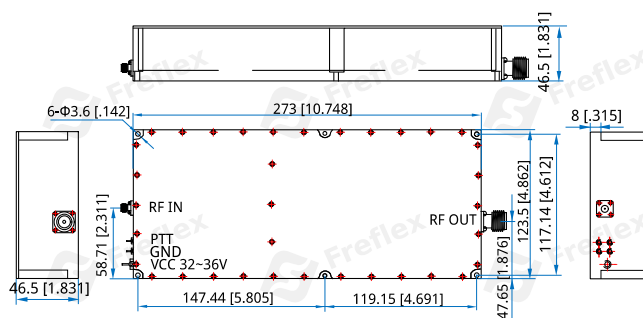
[1] Exclude connectors.

[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

**FPA-0.009-250-47-47S**

Customization is available upon request.