

# **FPA-20-520-47-47S** 0.02~0.52GHz, 47dB, 47dBm

**Features:**

- \* Small Size
- \* Low Power Consumption

**Applications:**

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

**Electrical**

|                                              |                                                 |
|----------------------------------------------|-------------------------------------------------|
| Frequency:                                   | 0.02~0.52GHz                                    |
| Gain:                                        | 47dB min.                                       |
| Gain Flatness:                               | 3±1dB max.                                      |
| Input VSWR:                                  | 1.7 max.                                        |
| Output Power (Psat):                         | 47dBm min.                                      |
| Input Power:                                 | 3±1dBm<br>+6dBm max.                            |
| Spurious:                                    | -65dBc max.                                     |
| Harmonic:                                    | -10dBc max.                                     |
| Voltage:                                     | 28~32V/13A VCC (Reference)<br>+32V max.         |
| PTT:                                         | 3.3/5V (On)                                     |
| Current:                                     | 7~9A max.                                       |
| Protection Function:                         | Over 80°C protection<br>Open circuit protection |
| VLC Automatic Power Control<br>(50W System): | 50-60W input/output power<br>regulation         |
| Impedance:                                   | 50Ω                                             |

**Mechanical**

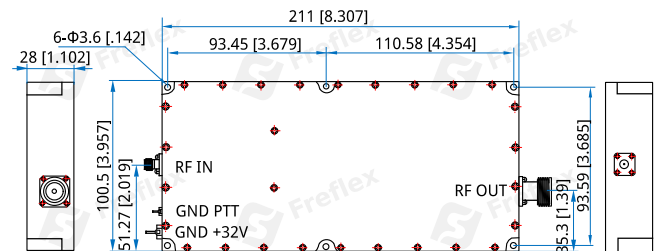
|                                        |                                       |
|----------------------------------------|---------------------------------------|
| Size <sup>*1</sup> :                   | 211*100.5*28mm<br>8.307*3.957*1.102in |
| RF In Connectors:                      | SMA Female                            |
| RF Out Connectors:                     | N Female                              |
| Mounting:                              | 6-Φ3.6mm 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: ±0.5mm [±0.02in]

**How To Order**

**FPA-20-520-47-47S**

Customization is available upon request.