

## Power Amplifier

### FPPA-800-18000-40-35S

0.8~18GHz, 40dB, 35dBm

**Features:**

- Small Size
- Low Power Consumption

**Applications:**

- Wireless
- Transmitter
- Laboratory Test

#### Electrical

<b>Frequency</b>	0.8~18GHz
<b>Gain</b>	40dB min.
<b>Gain Flatness</b>	±3dB max.
<b>Output Power (P<sub>sat</sub>)</b>	35dBm min.
<b>Output Power (P<sub>1dB</sub>)</b>	32dBm typ.
<b>Input VSWR</b>	2 max.
<b>Voltage</b>	+28V DC typ.
<b>Current</b>	3A typ.
<b>Impedance</b>	50Ω

#### Mechanical

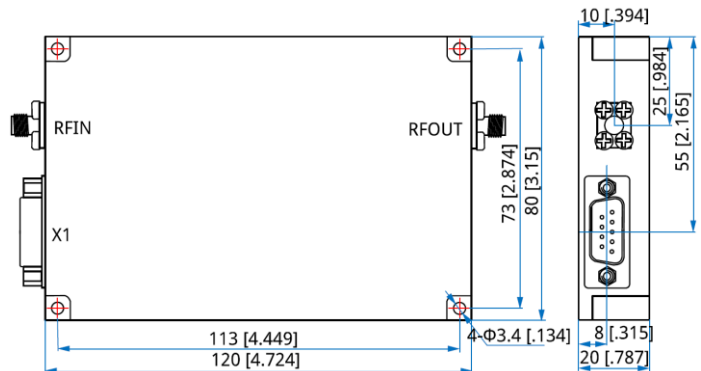
<b>Size<sup>[1]</sup></b>	120 x 80 x 20 mm 4.724 x 3.15 x 0.787 in
<b>RF Connectors</b>	SMA Female
<b>Power Supply Interface</b>	DSUB-9S
<b>Mounting</b>	4-Φ3.4mm through-hole

[1] Exclude connectors

#### Environmental

<b>Operating Temperature</b>	-40~+60°C
<b>Non-operating Temperature</b>	-55~+100°C

#### Construction



**Note(s)**

Unit: mm [in]  
Tolerance: ±0.2mm [±0.008in]

#### X1(DSUB-9S) Definition

Pins	Definition	Description
1-3	+28V	+48V power input
4-5	N/C	N/C
6-8	GND	Power Ground
9	PA_EN	TTL, input, PA enable, 0-shutdown, 1-working