

FPA-6000-18000-51-51S

6~18GHz, 51dB, 51dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

| | |
|----------------------|-------------------|
| Frequency: | 6~18GHz |
| Power Gain: | 51dB typ. |
| Gain Flatness: | ±2dB typ. |
| Output Power (Psat): | 51dBm typ. |
| Harmonic: | -15dBc typ. @100W |
| Spurious: | -55dBc typ. |
| Input VSWR: | 1.9 typ. |
| Voltage: | 28V DC typ. |
| Current: | 42A typ. |
| Impedance: | 50Ω |

Absolute Maximum Ratings*1

| | |
|-------------------|----------------|
| RF Input Power: | +5dBm max. |
| Load VSWR: | 3 @80W |
| Over Temperature: | 80°C @heatsink |

[1] Permanent damage may occur if any of these limits are exceeded.

Mechanical

| | |
|-------------------------|---------------------------------------|
| Size*2: | 260*216*110mm 10.236*8.504*4.331in |
| RF In Connectors: | SMA Female |
| RF Out Connectors: | N Female |
| Power Supply Interface: | J29A-37ZKP |
| Cooling: | Forced air (With heatsink) |
| Weight: | 8kg max. |

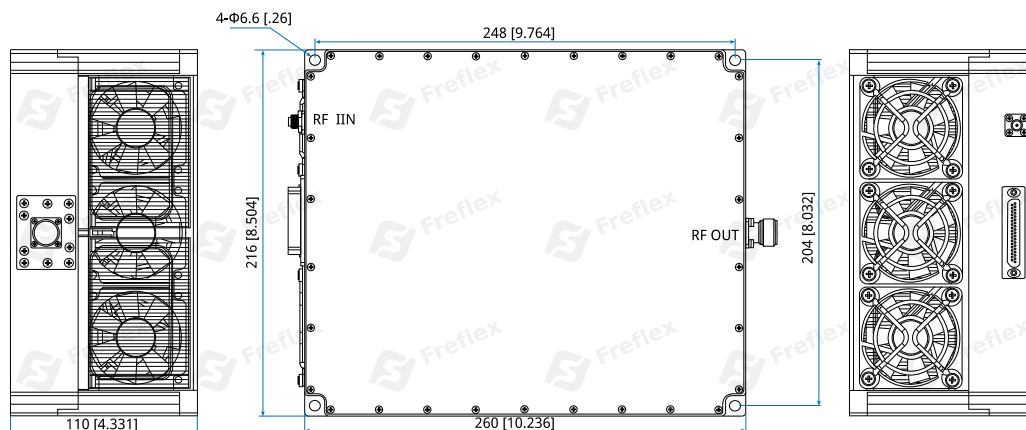
[2] Exclude connectors.

Environmental

| | |
|----------------------------|-----------|
| Operating Temperature: | -40~+60°C |
| Non-Operating Temperature: | -45~+85°C |
| Humidity: | 5~95% |

Pin Numbering

| Pin | Function | Pin | Function |
|--------------|----------|-----|---------------|
| 1~15 | VDD | 33 | Current sense |
| 16~31, 36-37 | GND | 34 | Current alarm |
| 32 | Enable | 35 | Temp alarm |

Outline Drawings


Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

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Customization is available upon request.