# FPAS-47000-51000-55-43S

47~51GHz, 55dB, 43dBm

Features:
* Broadband
* Low Power Consumption

Applications:
* Wireless
* Transmitter
* Laboratory Test

## Electrical

| | |
|---|---|
| Frequency: | 47~51GHz |
| Output Power (Psat): | 43dBm min. |
| Gain: | 55dB min. |
| Gain Flatness: | 4dB typ |
| Gain Adjustment Range: | 20dB |
| Step: | 0.1dB |
| IM3 (2-Tone @ 37dBm/Tone, 5MHz Spacing): | -25dBc typ. |
| Spurious: | -60dBc max. |
| Input VSWR: | 1.6 max. |
| Gain Stability: | ±0.25dB/24h max. |
| Am/PM Conversion: | 5°/dB @Output Power 43dBm max. |
| Group Delay: | 2ns@Any 600MHz |
| Voltage: | 220V AC |
| Power: | 800W max. |
| Monitor & Protection: | With temperature, voltage, current monitoring, over-voltage, over-current, over temperature protection; with output power monitoring, input overdrive and VSWR protection |
| Input Power: | 15dBm max. |

## Mechanical

| | |
|---|---|
| Size[*1]: | 328.5*226*180.5mm |
| | 12.933*8.898*7.106in |
| Weight: | 16.5kg |
| RF Connector: | WR-19 |
| Power Supply Interface: | Circular Connector |
| Monitoring Interface: | Circular Connector |
| Standby Interface: | DB9 |

[1] Exclude connectors.

## Environmental

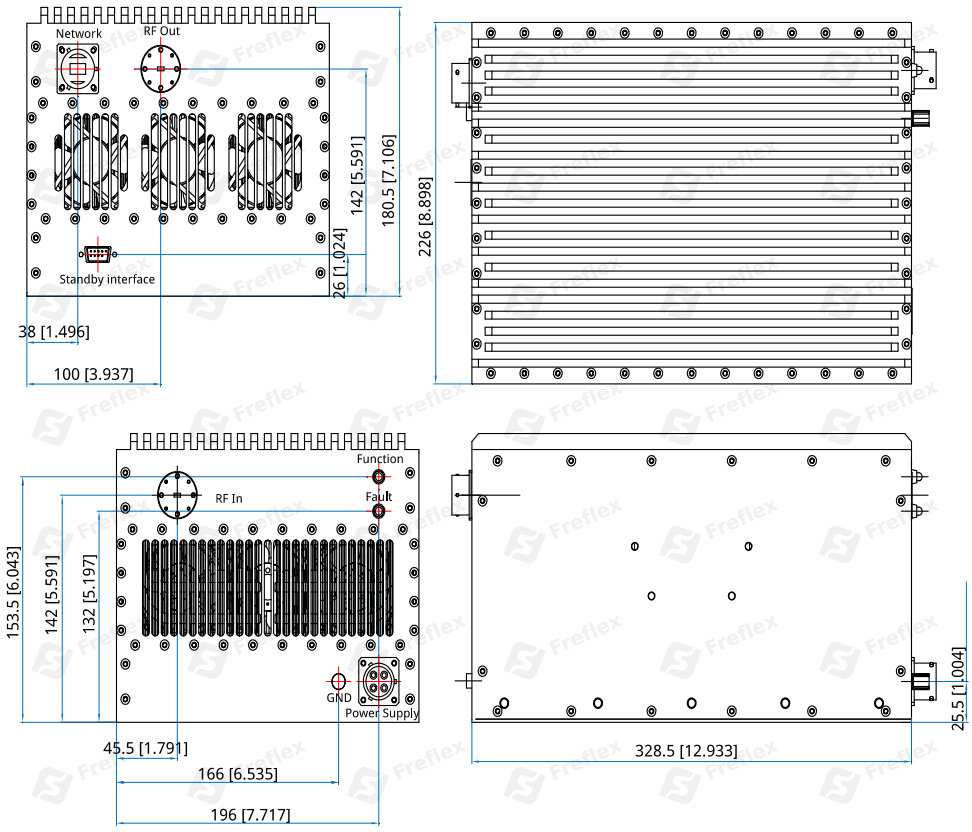
| | |
|---|---|
| Operating Temperature: | -40~+55℃ |

## How To Order

FPAS-47000-51000-55-43S

Customization is available upon request.

## Outline Drawings




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