



# IA20006000P50; 2–6 GHz 100W

## FEATURES

- Solid-state Class AB design
- GaN on SiC Transistors

## GENERAL DESCRIPTION

IA20006000P50 is a 100W rack-mount Power Amplifier device designed with SOLID STATE technology. This device has an ultra-wide band operating frequency starting from 2 GHz to 6 GHz.

## ELECTRICAL SPECIFICATIONS

<b>Frequency:</b>	2000-6000 MHz
<b>Output Power:</b>	100 W typ. (80W min.)
<b>Nominal Gain:</b>	50 dB
<b>Overdrive Input Power</b>	+10 dBm
<b>Input VSWR</b>	2:1 typ.
<b>Harmonics (2nd / 3rd)</b>	10 dBc / 12 dBc
<b>Spurious</b>	50 dBc typ.
<b>AC Supply Voltage:</b>	85 - 265 VAC (220 VAC nom.), 47 - 63 Hz

## MECHANICAL & ENVIROMENTAL SPECIFICATIONS

<b>RF Input:</b>	N - FEMALE
<b>RF Output:</b>	N - FEMALE
<b>Operating Ambient Temperature</b>	-20 to 55 °C
<b>Storage Temperature</b>	-30 to 85 °C
<b>Relative Humidity</b>	Up to 95%
<b>Vibration &amp; Shock</b>	Laboratory conditions
<b>Cooling</b>	Internal Cooler
<b>Dimensions</b>	19" (W) x 3U (H) x 670 mm (L)
<b>Weight</b>	30 kg

## BUILT-IN FUNCTIONS

Power Monitoring  
LCD Display  
Ethernet

## OPTIONS

**OPT-1:** Harmonic Filter \*  
**OPT-2:** RF Switching Unit \*  
**OPT-3:** RS-485 (A), CAN BUS (B), RS-232 (C)

\* Output power may be degraded with those options