



IA04003000P51; 400–3000 MHz 125W

FEATURES

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

GENERAL DESCRIPTION

IA04003000P51 is a 125W rack-mount Power Amplifier device designed with SOLID STATE technology. This device has an ultra-wide band operating frequency starting from 0.4 GHz to 3.0 GHz.

ELECTRICAL SPECIFICATIONS

Frequency:	400-3000 MHz
Output Power:	125 W min. 150 W typ.
Nominal Gain:	51 dB
Overdrive Input Power	+10 dBm
Input VSWR	2:1 typ.
Load VSWR	∞:1 (Fully mismatch tolerant)
Harmonics (2nd / 3rd)	15 dBc / 20 dBc
Spurious	55 dBc typ.
AC Supply Voltage:	85 - 265 VAC (220 VAC nom.), 47 - 63 Hz

MECHANICAL & ENVIROMENTAL SPECIFICATIONS

RF Input:	N - FEMALE
RF Output:	N - FEMALE
Operating Ambient Temperature	-20 to 55 °C
Storage Temperature	-30 to 85 °C
Relative Humidity	Up to 95%
Cooling	Internal Cooler
Dimensions	19" (W) x 4U (H) x 660 mm (L)

BUILT-IN FUNCTIONS

Power Monitoring
LCD Display
Ethernet

OPTIONS

- OPT-1:** Harmonic Filter *
- OPT-2:** RF Switching Unit *
- OPT-3:** RS-485, CAN BUS, RS-232

* Output power may be degraded with those options