



IA05002500P51; 500–2500 MHz 125W AMPLIFIER

FEATURES

- Solid-state Class AB
- GaN on SiC Transistors

GENERAL DESCRIPTION

IA05002500P51 is a 125 W rack-mount Power Amplifier device designed with Solid State technology. This device has an ultra-wide band operating frequency starting from 0.5 GHz to 2.5 GHz.



ELECTRICAL SPECIFICATIONS

Frequency:	500-2500 MHz
Output Power:	125 W min.
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
Line Power	1000 VA

MECHANICAL & ENVIRONMENTAL 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%
Operating Altitude	Up to 3000 meters above sea level
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, GPIB

* Output power may be degraded with those options