



IA01000500P56; 100-500 MHz 400W AMPLIFIER

FEATURES

- Solid-state Class AB design
- Ruggedized MOS Transistors

GENERAL DESCRIPTION

IA01000500P56 is a 400W rack-mount Power Amplifier device designed with Solid State technology. This device has a wide band operating frequency starting from 100 MHz to 500 MHz.



ELECTRICAL SPECIFICATIONS

Frequency:	100-500 MHz
Output Power:	400 W min.
Nominal Gain:	50 dB
Overdrive Input	+10 dBm
Power	
Input VSWR	2:1 typ.
Load VSWR	∞:1 (Fully mismatch tolerant)
Harmonics (2nd / 3rd)	20 dBc / 15 dBc (55 dBc with Harm. Filter option)
Spurious	55 dBc typ.
Line Power	4000 VA

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%
Operating Altitude	Up to 3000 meters above sea level
Cooling	Internal Cooler
Dimensions	19" (W) x 6U (H) x 660 mm (L)

BUILT-IN FUNCTIONS

Power Monitoring
 Temperature Monitoring
 Current 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