



IA00010030P70; 1.5 – 30 MHz 10.000W AMPLIFIER

FEATURES

- Solid-state Class AB design
- Ruggedized MOS Transistors
- High reliability and ruggedness
- Forward/Reflected Power, Current & Temperature Monitoring
- Open/Short Load Full Protection

GENERAL DESCRIPTION

IA00010030P70 is a 10.000W rack-mount Power Amplifier device designed with Solid State technology. This device has a wide band operating frequency starting from 1.5 MHz to 30 MHz.

ELECTRICAL SPECIFICATIONS

Frequency:	1.5-30 MHz
Output Power:	10.000 W min.
Nominal Gain:	65 dB
Overdrive Input Power	+10 dBm
Input VSWR	2:1 typ.
Load VSWR	∞:1 (Fully mismatch tolerant)
Harmonics (2nd / 3rd)	20 dBc / 15 dBc (50 dBc with Harm. Filter option)
Spurious	55 dBc typ.
Line Power	38000 VA

MECHANICAL & ENVIROMENTAL SPECIFICATIONS

RF Input:	N - FEMALE
RF Output:	LC - 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	2x45U Rack 19" (W) x 1000 mm (Depth)

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