



# IA00010030P67; 1.5 – 30 MHz 5.000W 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

IA00010030P67 is a 5.000W 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

<b>Frequency:</b>	1.5-30 MHz
<b>Output Power:</b>	5.000 W min.
<b>Nominal Gain:</b>	62 dB
<b>Overdrive Input Power</b>	+10 dBm
<b>Input VSWR</b>	2:1 typ.
<b>Load VSWR</b>	∞:1 (Fully mismatch tolerant)
<b>Harmonics (2nd / 3rd)</b>	20 dBc / 15 dBc (50 dBc with Harm. Filter option)
<b>Spurious</b>	55 dBc typ.
<b>Line Power</b>	18000 VA

### MECHANICAL & ENVIROMENTAL SPECIFICATIONS

<b>RF Input:</b>	N - FEMALE
<b>RF Output:</b>	7/16 - 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>Operating Altitude</b>	Up to 3000 meters above sea level
<b>Cooling</b>	Internal Cooler
<b>Dimensions</b>	45U 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