



AP 1000

SOLID STATE LDMOS 1 KW TV UHF / VHF Amplifier

- High Gain
- Combined Video and Aural at full rated power
- High-Temperature and SWR alarm
- Internal temperature Compensated Bias
- Automatic Fold-back in case of excessive VSWR
- advanced protection system controlled by microprocessor;
- alphanumeric display to check all parameters;
- terminal strip for telemetry and remote control.
- Meets or exceeds all FCC and CCIR requirements

This compact TV amplifier series have been designed to be used as final power stage or as a driver for higher-power Amplifiers in the UHF and VHF III Band. The output power is 1000W PEP.
The amplifier is protected against excessive SWR and high temperature and a remote control feature allows to switch On and off the unit.

TECHNICAL SPECIFICATIONS

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|----------------------------------|---|
| Frequency range | UHF 470 – 806 Mhz (channel 14-69) VHF 174 – 216 Mhz (channel 7 – 13) |
| Output power | 1000 W PEP (with 5 W drive) |
| Gain | 25 dB |
| Out stage technology | Solid State LDMOS |
| I.M.D. (-8, -10,-16) | < - 54 dB |
| Standards | B, D, G, I, K, M, N |
| RF Spurious Product | Better than – 60dB |
| Filter Insertion Loss | < 0.6 dB |
| RF Output impedance | 50 Ohms |
| RF In / Out connector | N Female |
| Power Supply | 115/230 Vac single phase (internal switch) |
| Typical Power Consumption | 1150 VA with color bar signal |
| RS232 Socket | DB9 |
| Tele-measuring Socket | DB 9 |
| Cabinet | Rack 19" – 10 U (optional) |
| Ambient Temperature | 0 to 50 degrees Celsius (32 to 122 Fahrenheit) |
| Relative Humidity | 20% to 90% |
| Dimensions: | 19" (487 mm) wide x 12,3" (312 mm) high x 26" (660 mm) depth. |
| Weight: | 132 Lbs (60 Kg) |