



AP 500

SOLID STATE LDMOS 500 Watts 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 500W 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

Frequency range	UHF 470 – 806 Mhz (channel 14-69) VHF 174 – 216 Mhz (channel 7 – 13)
Output power	500 W PEP (with 5 W drive)
Gain	20 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	7/16 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%
Overall Dimensions:	19” (483 mm) wide x 7” (117 mm) high x 21” (535 mm) depth.
Weight	66 Lbs (30 Kg)