

SOLID STATE LDMOS 1 KW (350W Digital) 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.
- Digital ATSC Compatible
- 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 for Analog Transmission and 350W for Digital ATSC transmission
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	1000 W PEP (with 5 W drive) analog, 350W Digital ATSC
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)