



# COMPACT LINE *ATV*

TELEVISION

VHF Bd. I & III 45-250 MHz  
UHF 470-860 MHz

COMPACT BROADBAND  
TV POWER AMPLIFIER

100W p.s. OUTPUT POWER

- High performance
- Excellent stability and reliability
- User friendly and easy maintenance
- Modular construction in only 2 unity rack



## General Specifications

- Frequency range : VHF Bd. I e Bd. III (45-90 MHz, 174-250 MHz )  
UHF Bd. 4 e 5 (470 –860 MHz broadband)
- Working Temperature : -10°C +45°C
- Relative maximum humidity : 95% non-condensing
- Telemetry : TTL output or relay according to request
- Standard telemetry : FWD PWR, RFL PWR, Temperature, VPA, IPA, Input Power, SWR
- Input/Output connector : N female 50  $\Omega$
- Cooling system : Forced air

## RF Section Specifications

- Power amplifier : LDMOS in A/B class technology, 100 W p.s. output power
- I.M.D. at nominal power : better than - 60 dBc
- Output spurious and harmonics : < - 60 dBc
- RF output filter included
- RF monitor 13dBm

## Mains Section Specifications

- C.A. Power Supply : 90/260 VAC, 50/60 Hz
- Power consumption : 300W
- Power factor > 0.9

## Mechanical Specifications

- Dimensions : Front panel width 483 mm (19")  
Front panel height 2 HE  
Overall depth 500 mm (19.7")
- Weight : about 30 Kg