

AUTV/2000LD

LDMOS - UHF TV AMPLIFIER

DESCRIPTION

The AUTV/2000LD is a TV amplifier that can be used in the IV/V Bd UHF TV Transmitter.

Thanks to the high-quality components used and the strong structure it can be used even in the most hostile environments with the minimum maintenance.

It is composed by two amplifiers AUTV/1000LD coupled by means of 3dB/90° hybrid couplers ensuring an high insulation between the apparatuses and a very good input return loss.

The amplifier AUTV/2000LD has been designed using advanced technologies made for broadcasting applications. All of its components have been tested with thermic shocks in order to obtain a very high reliability and an high MTBF.

A microprocessor control unit controls the apparatus, checking the thermic, electric and RF parameters, intervening in case of problems and showing the whole functioning status on a large LCD display.

The purity of the spectrum is ensured by a band-pass filter which removes all the out-of-band spurious emissions far beyond the level required by the regulations.

The transmitter is provided with linearity pre-corrector to compensate the distortions of the final stage.