



Model TA-25-CH.UHF Single Channel UHF Amplifier

Description

The TA-25-RP is a high-performance UHF Single Channel Amplifier designed for single channel high level output to compensate signal losses from long cable runs, external splitters and taps used in custom distribution system configurations.

Features:

- Easy to install; includes adjustable and precise level control to optimize input signal level
- State-of-the-art GaAs p-HEMT SMD amplifier ICs with push-pull output circuitry
- High gain and low noise to optimize signal quality
- Powered with UL approved AC power adapter
- Full technical support and two-year warranty

TA-25-CH.#U Block Diagram

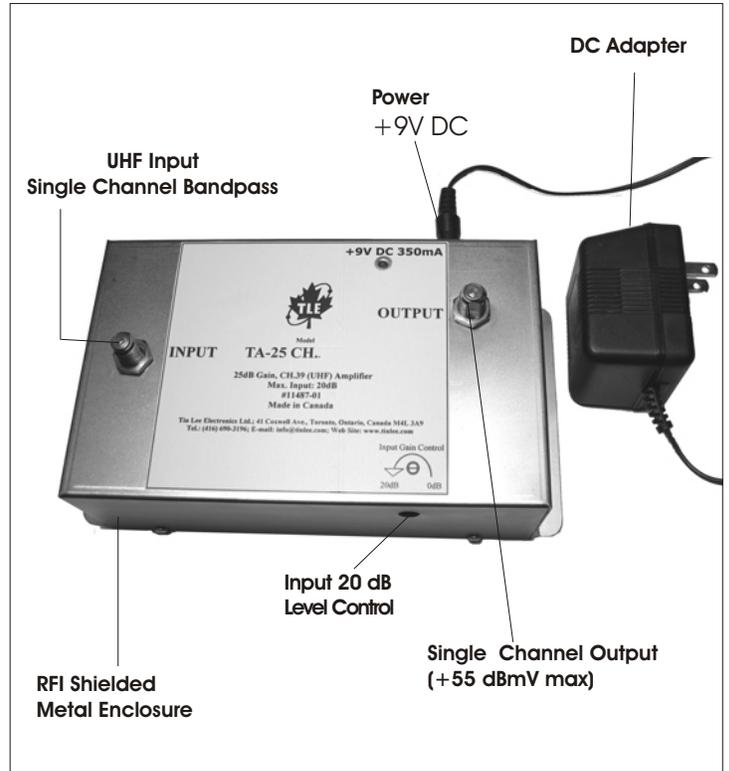
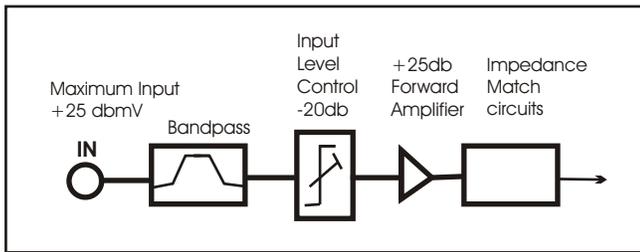


Figure 1:TA-25-CH.#UHF

Specifications

Frequency Range (Mhz)	ATSC 6 MHz	Return Filter loss	NA
Power Gain (dB)	26 typical	Cross Modulation	NA
Gain Flatness(dB)	±0.5	Composite Triple Beat (dB)	NA
Noise Figure (dB)	2.5 dB incl input BPF	Composite 2nd order	NA
Input Return Loss(dB)	15	Connectors, Impedance	F-female, 75 ohms
Output Return Loss(dB)	15	Dimensions (LxWxH)	7.5" x 4" x 2" (192x102x50 mm)
Number of outputs	1	Weight (lbs)	2
Output Signal level min.	+25 dBmV (0dBmV input)	Operating Temperature	-15 to+90 C
Maximum in/out levels	+25dBmV / -55 dBmV	Power Requirements	5V DC, 150 mA
Bandpass 20 rejection	±12 Mhz from bandedge	Power AC Adapter	9V DC Adapter is Included

Figure 2: Example Application

Figure 2 shows, amplifier increases UHF signal to overcome cable loss thru 400 ft of RG-6.

