



Model TA-25-RP (5-40, 50-870 MHz) Bi-directional Cable TV Distribution Amplifier

Product Description

The TA-25-RP is a high-performance TV distribution amplifier designed for residential and small system cable TV signal distribution with 8 to 20 outlets and long cable runs. It provides a single high level output for external splitters and taps used in custom distribution system configurations (Figure 2 shows an example 16-way distribution).

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
- High gain and low noise will optimize picture quality on bigger screens
- Digital cable ready (bi-directional) - possible to connect Cable Modems, Set Top Box, Pay TV Decoders
- HDTV antenna distribution models available
- Powered with UL approved AC power adapter
- Full technical support and two-year warranty

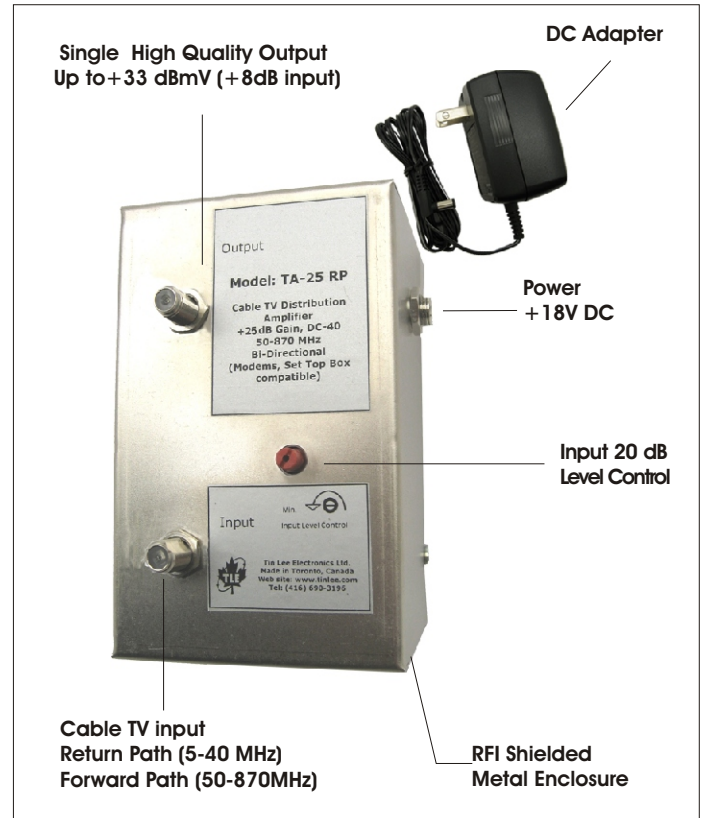


Figure 1: TA-25-RP

Product Specifications

Frequency Range (Mhz)	5-40, 50-870	Return Filter loss	1 dB
Power Gain (dB)	25	Cross Modulation	110 chs; Vo=+25dBmV, -80dB
Gain Flatness(dB)	±1.0	Composite Triple Beat (dB)	110 chs flat, V=+25dBmV, -65dB
Noise Figure (dB)	2 dB	Composite 2nd order	110 chs flat, V=+25dBmV, -60dB
Input Return Loss(dB)	12	Connectors, Impedance	F-female, 75 ohms
Output Return Loss(dB)	10	Dimensions (LxWxH)	7.5" x 4" x 2" (192x102x50 mm)
Number of outputs	1	Weight (lbs)	2
Signal level at output	+25 dBmV (at 0dBmV input)	Operating Temperature	-15 to+90 C
Maximum in/out levels	+8 dBmV / -33 dBmV	Power Requirements	18V DC, 250 mA
Return Filter Isolation	>55 -70 dB	Power AC Adapter	Included

Example Application

TV show room distribution system with 16 outlets. Directly connect outputs to TVs or into digital set top boxes. Figure 2 shows the approximate signal levels (550 MHz) at amplifier input and outputs, after 16-way tap, and at each TV after cable losses (cable length, RG-6, 50 to 100 feet).

