

# TUNING PROCEDURE

The Crescent Technologies High Power UHF RF power amplifier is designed for paging and other applications that use a single carrier constant envelope waveform. The amplifier is designed to be powered from either an external +48 VDC source or an optional internal AC power supply. Model HA amplifiers cover the 450-454MHz, 456-462.5375MHz, 462.7375-467.5375MHz, 467.7375-470 MHzMHz band without retuning. Amplifier specifications are shown in Table 1-1. There are seven input ranges available as shown in Table 1-2. Closed loop power control is used to maintain a constant output power under varying voltage, signal input level, frequency and output load conditions. Several design features work to protect the amplifier under adverse conditions.

**As indicated above, there are no tuning procedure for these amplifiers.**

**Table 1-1 Amplifier Specifications**

Specification	Value
Instantaneous Bandwidth	450-454MHz, 456-462.5375MHz, 462.7375-467.5375MHz, 467.7375-470 MHzMHz (HA models)
Output Power Range	25 W - 250 W
Input Impedance	50 Ohms
Output Impedance	50 Ohms