



Figure 1 - PA700 Block Diagram

PA700 Operational Description

Figure 1 shows the block diagram for the PA700.

The PA700 accepts an RF input from a modulated source and amplifies to +49 dBm (80W) average power for transmission in the 740-746 MHz frequency range. Internal logic and serial port connection provide for monitor and control functions of the amplifier including detected output power and on/off control. An RF monitor port is provided to facilitate low power monitoring of the output signal. No processing or frequency conversion is done to the signal and channel bandwidths/center frequencies must be configured from the input source.