

The device is designed for 24 VDC at 1.5 Amps.

The input voltage is reduced by a switching power supply to a DC voltage of around 10 V adjustable at the factory by potentiometer R8 to set the output power at 10 Watts. Input audio is limited by U8, an AGC circuit and lowpass filtered by U9, an LMF40. Modulation level is factory set by potentiometer R5. Amplified audio is supplied to a Class D RF amplifier that is driven by a frequency stable crystal oscillator. An LC filter removes harmonics. A data sheet for the LMF40 low pass filter has been supplied as a separate attachment.