

OM-1 Transmitter

Plasma Sonics Ltd. Co.

Applications

The OM-1 is a 27.125 MHz pulsed RF, ISM band transmitter. It has been designed to serve as a stand alone transmitter, or utilized with appropriate power amplification and harmonic output suppression to drive:

1. RF powered Lasers – May be used for cutting and welding of many different materials such as plastic and metals.
2. Pulsed short wave diathermy instruments
3. Pulsed RF, non thermal, frequency response based therapeutic instruments.
4. Gas plasma generation – Thermal and Non Thermal. RF excited gas plasmas are useful for electronics manufacturing and sterilization.
5. RF induction welders.
6. RF excited, UV emitting plasma tube for sterilization/decontamination of large surface areas.