



MODEL  
**2M286 Series**  
 (Inverter Type)

**FEATURES**

- Light-weight, compact, and cost-effective construction.
- Sufficiently suppressed noise spectrum.
- Stable performance and good reliability
- High power output.

**1. General Data**

**ELECTRICAL CHARACTERISTICS**

Filament voltage .....	3.15Vac
Filament current .....	10.0Aac
Frequency(with matched load) .....	2460MHz
Anode potential .....	Earth
Filament potential .....	(-4kV)
Magnet .....	Ferrite - magnet

**MECHANICAL CHARACTERISTICS**

Width .....	93.2mm(3.67inches) max.
Length .....	127mm(5.00inches) max.
Height .....	133mm(5.24inches) max.
Weigh .....	Approx. 0.9Kg
Mounting position .....	Any
Cooling .....	Forced air

**2. Absolute Maximum Ratings**

**ELECTRICAL CHARACTERISTICS**

	Min	Max	Unit
Filament Voltage .....	2.85	3.75	Vac
Pre - heating Time .....	0	-	Sec
Average Anode Current .....	-	380	mAdc
Peak anode current .....	-	1500	mAp
Average anode input .....	-	1700	W
Load VSWR(continuous) .....	-	4	-
Load VSWR(instantaneous) .....	-	8	-
Anode core temperature .....	-	300	°C
Temperature .....	-30	60	°C

**3. Typical Operation**

**OPERATING CONDITIONS**

Filament voltage .....	3.15Vac
Average anode current # .....	330mAdc
Cooling air flow .....	1.0m <sup>3</sup> /min
# Power supply unit:Half-wave doubler with leakage transformer or full-wave rectifier without filter.	

**TYPICAL PERFORMANCE**

Frequency(matched load) .....	2460MHz
Peak anode voltage .....	4.40kVp
Average output power(matched load) .....	1150W
Average output power(in a typical oven) .....	1000W*
*In accordance with IEC Pub. 705 measurement method.	