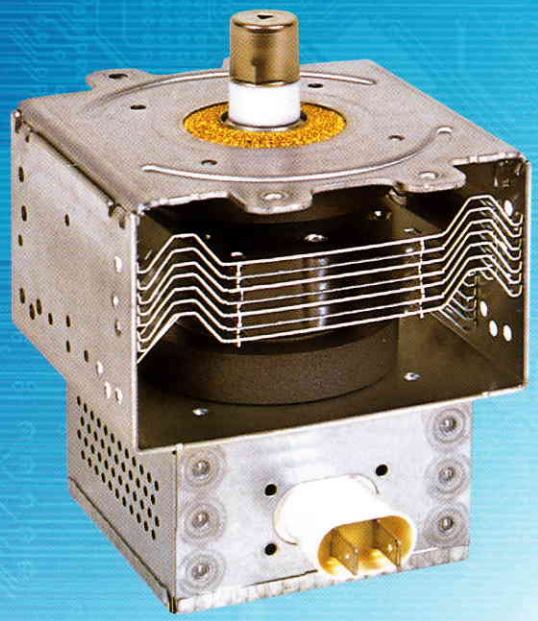

MODEL

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	℃
Temperature	−30	60	℃

3. Typical Operation

OPERATING CONDITIONS

Filament voltage	3.15Vac
Average anode current #	330mAdc
Cooling air flow	1.0㎥/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.