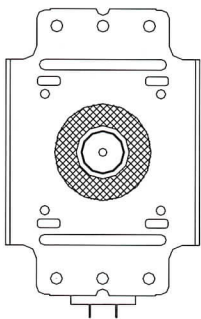


MODEL

# 2M213 Series

## FEATURES

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



2M213-21TYPE

## 1. General Data

### ELECTRICAL CHARACTERISTICS

Filament voltage	3.5Vac
Filament current	10.5Aac
Frequency(with matched load)	2460MHz
Anode potential	Earth
Filament potential	(-4kV)
Magnet	Ferrite - magnet

### MECHANICAL CHARACTERISTICS

Width	73.2mm(2.88inches) max.
Length	109mm(4.28inches) max.
Height	126mm(4.96inches) max.
Weigh	Approx. 0.8Kg
Mounting position	Any
Cooling	Forced air

## 2. Absolute Maximum Ratings

### ELECTRICAL CHARACTERISTICS

	Min	Max	Unit
Filament Voltage	3.05	3.95	Vac
Pre - heating Time	0	-	Sec
Average Anode Current	-	280	mAdc
Peak anode current	-	1000	mAp
Average anode input	-	1000	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	3.5Vac
Average anode current #	200mAdc
Cooling air flow	0.8m <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	3.95kVp
Average output power(matched load)	700W
Average output power(in a typical oven)	600W*

\*In accordance with IEC Pub. 705 measurement method.