



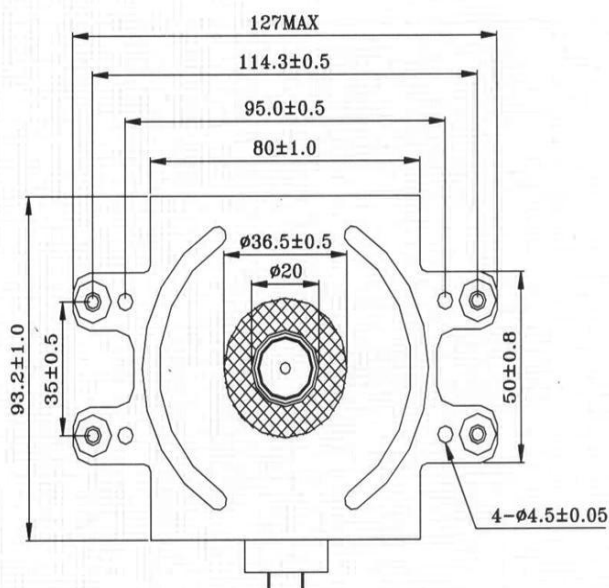
1.General Data

ELECTRICAL CHARACTERISTICS

Filament voltage	-----	3.8 Vac
Filament current	-----	13.0 Aac
Frequency(with matched load)	--	2460MHz
Anode potential	-----	Earth
Filament potential	-----	(-4.5kV)
Magnet	-----	Ferrite - magnet

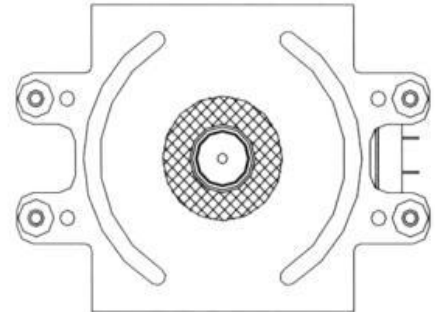
MECHANICAL CHARACTERISTICS

Width	-----	93.2mm(3.67inches) max
Length	-----	127mm(5.00inches) max
Height	-----	142mm(5.59inches) max
Weigh	-----	Approx. 1.0Kg
Mounting position	-----	Any
Cooling	-----	Forced air



FEATURES

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



2M257-24TYPE

2.Absolute Maximum Ratings

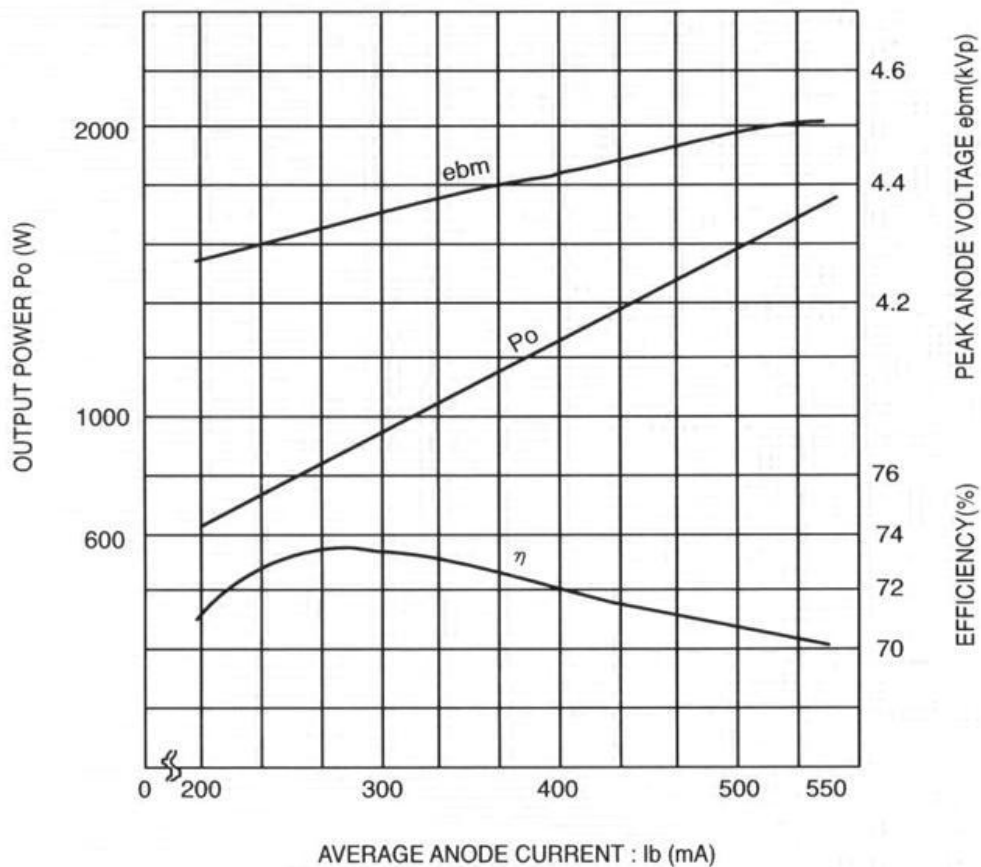
ELECTRICAL CHARACTERISTICS

Performance	Min	Max	Unit
Filament Voltage	3.30	4.20	Vac
Pre-heating Time	0.00	-	Sec
Average Anode Current	-	500.00	mAdc
Peak anode current	-	1800.00	mAp
Average anode input	-	2400.00	W
Load VSWR(continuous)	-	4.00	-
Load VSWR(instantaneous)	-	8.00	-
Anode core temperature	-	300.00	°C
Temperature	-30.00	60.00	°C

3. Typical Operation

OPERATING CONDITIONS

Filament voltage ----- 3.8Vac
 Average anode current # ----- 450mA_{dc}
 Cooling air flow ----- 1.5 m³/min
 # Power supply unit: Half-wave doubler with leakage transformer or full-wave rectifier without filter.



OPERATING CONDITIONS:

Power supply: single phase full - wave Rectifier without filter.
 Load V.S.W.R: $6L < 1.1$ Filament voltage: 3.8v

TYPICAL PERFORMANCE

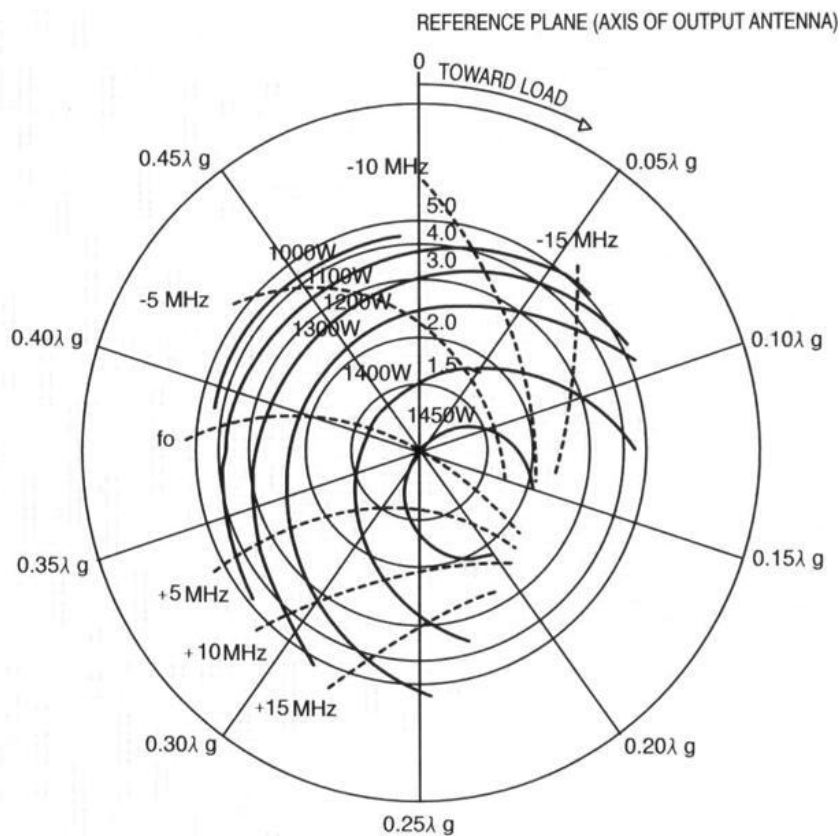
Frequency(matched load) ----- 2460MHz

Peak anode voltage ----- 4.50kVp

Average output power(matched load) 1450W

Average output power(in a typical oven) 1250W*

*In accordance with IEC Pub. 705 measurement method.



OPERATING CONDITIONS:

Power supply: single phase full - wave Rectifier without filter.

Average anode current 450mA Wave guide: Lg Standard

Lanuncher Output Power(W)

Frequency($f_0=2460\text{Mhz}$)

DIMENSIONAL OUTLINE OF 2M257

