



1. General Data

ELECTRICAL CHARACTERISTICS

Filament voltage, Stand-by -----	4.6 Vac
Filament voltage, Operation ----	3.1 Vac
Filament current -----	19.5 Aac
Frequency(with matched load) --	2455MHz
Anode potential -----	Earth
Filament potential -----	(-5kV)
Magnet -----	Ferrite - magnet

MECHANICAL CHARACTERISTICS

Width ----- 120mm(4.72inches) max.

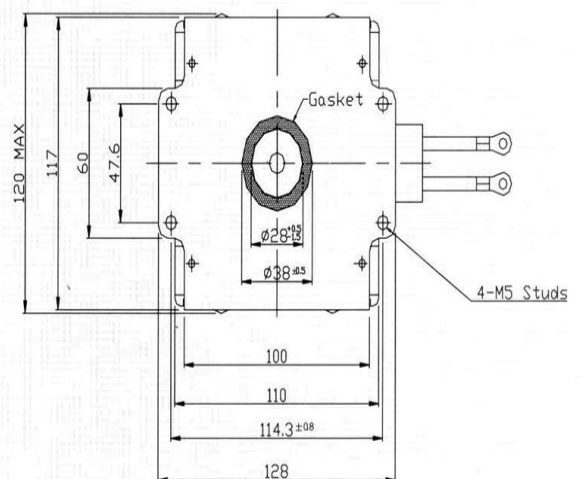
Length ----- 128mm(5.04inches) max.

Height -----192.5mm(7.58inches) max.

Weigh ----- Approx. 3.0Kg

Mounting position ----- Any

Cooling ----- Forced air

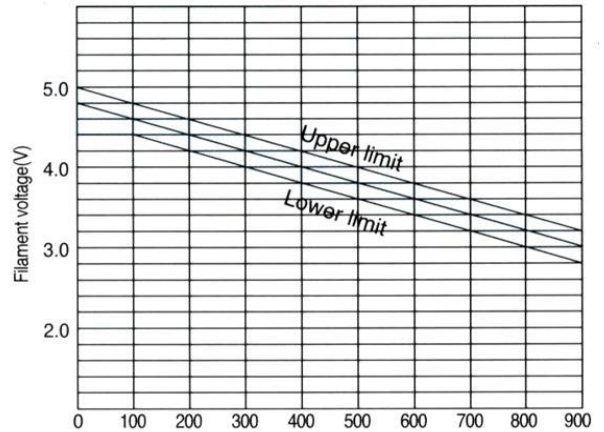
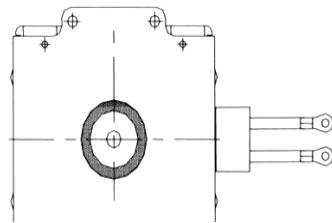


MAGNETRON

2M285

FEATURES

- * High reliability with entirely ceramic-metal sealing.
- * High performance with specially designed refrigerator fin.
- * Stable under wide range of load condition
- * High power output.



2.Absolute Maximum Ratings

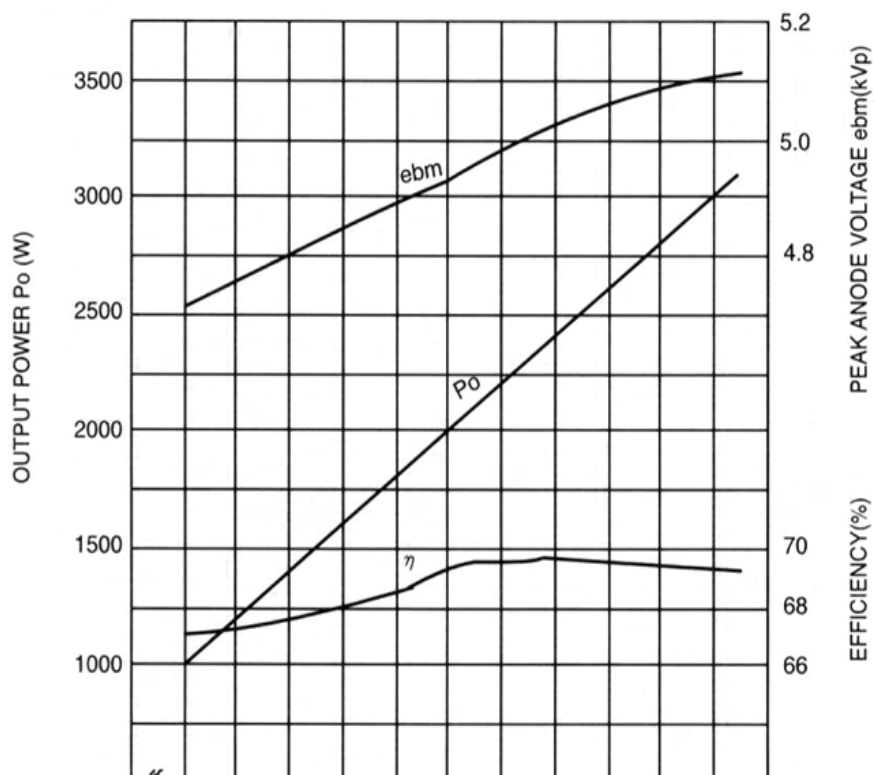
ELECTRICAL CHARACTERISTICS

Performance	Min	Max	Unit
Filament Voltage, Stand-by	4.40	5.00	V
Filament voltage, Operation	(See Fig.1)		V
Pre-heating Time	8.00	-	Sec
Average Anode Current	-	900.00	mAdc
Peak anode current	-	2100.00	mAp
Average anode input	-	5000.00	W
Load VSWR(continuous)	-	4.00	-
Anode core temperature	-	180.00	°C
Storage temperature	-30.00	60.00	°C

3. Typical Operation

OPERATING CONDITIONS

Filament voltage, Stand-by ----- 4.6Vac
 Filament voltage, Operation -----3.1Vac
 Average anode current # ----- 840mAdc
 Cooling air flow ----- 2.0m³/min
 # Power supply unit: Half-wave doubler with leakage transformer or full wave rectifier without filter

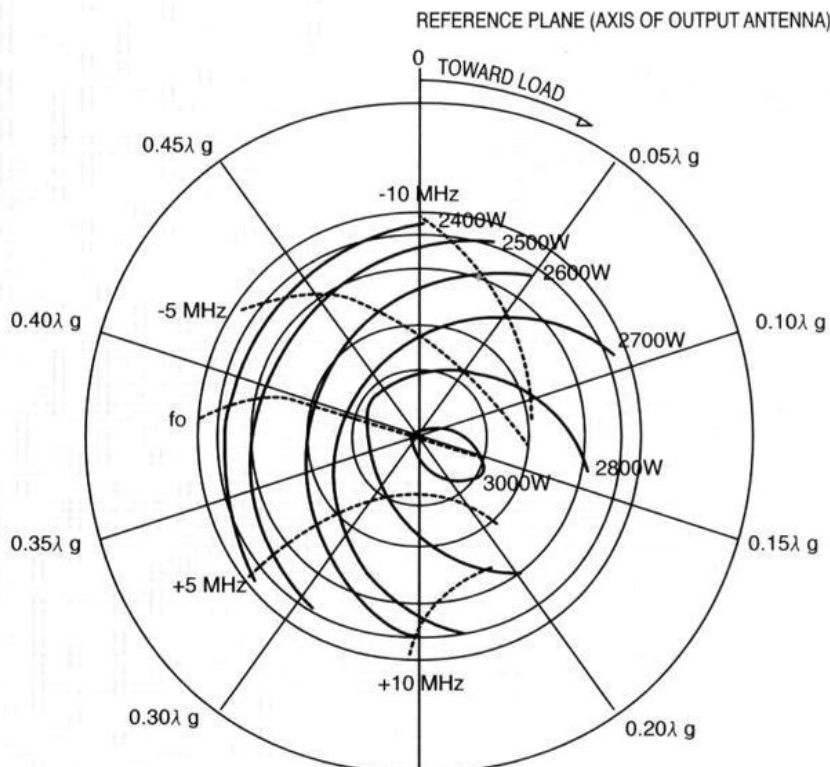


OPERATING CONDITIONS:

Power supply: single phase full - wave Rectifier without filter.
 Load V.S.W.R: $6L < 1.1$ Filament voltage: 4.6v

TYPICAL PERFORMANCE

Frequency(matched load) ----- 2455MHz
 Peak anode voltage ----- 5.10kVp
 Average output power(matched load) 3000W



OPERATING CONDITIONS:

Power supply: single phase full - wave Rectifier without filter.
 Average anode current 840mA Wave guide: Lg Standard
 Lanuncher Output Power(W)
 Frequency(fo=2455Mhz)

DIMENSIONAL OUTLINE OF 2M285

