



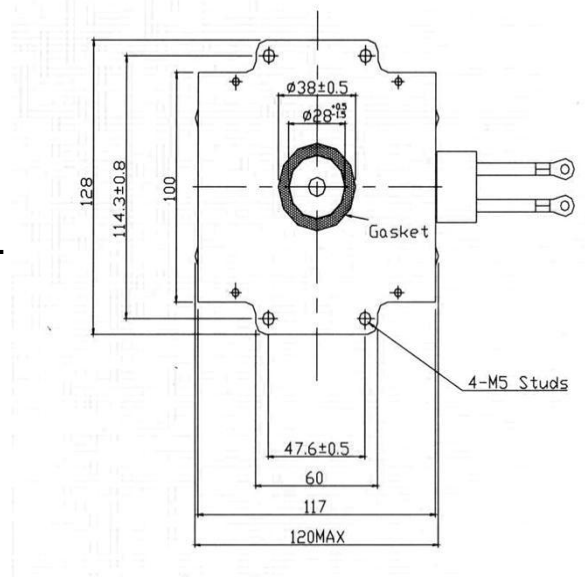
1. General Data

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

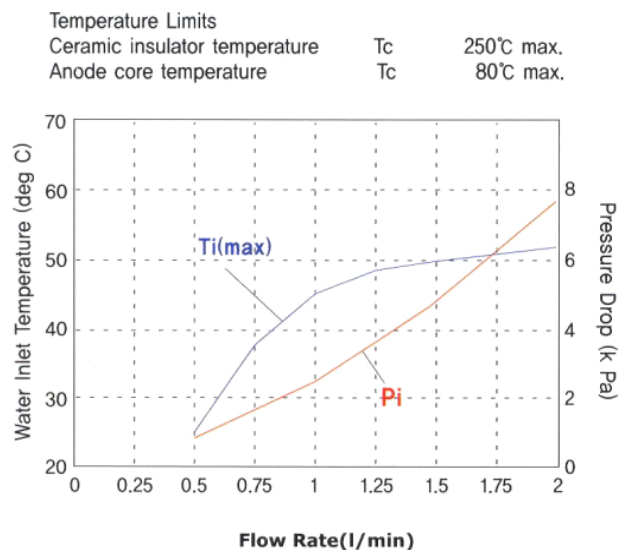
MECHANICAL CHARACTERISTICS

Width ----- 120mm(4.72inches) max.
 Length ----- 128mm(5.04inches) max.
 Height ----- 192.5mm(7.58inches) max.
 Weigh ----- Approx. 3.6Kg
 Mounting position ----- Any
 Cooling ----- Water



FEATURES

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



2.Absolute Maximum Ratings

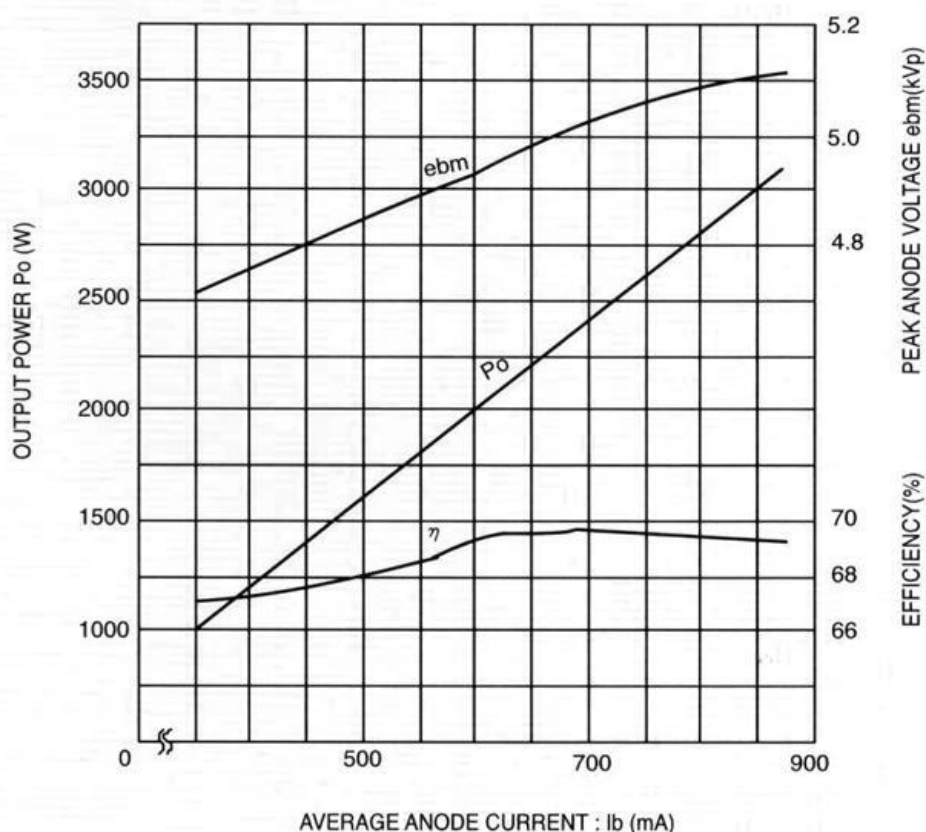
ELECTRICAL CHARACTERISTICS

| Performance | Min | Max | Unit |
|-----------------------------|-------------|---------|------|
| Filament Voltage, Stand-by | 4.40 | 5.00 | V |
| Filament voltage, Operation | (See Fig.1) | | V |
| Pre-heating Time | 8 | - | 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 | - | 80.00 | °C |
| Storage temperature | -30 | 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 ----- 2.0 m³/min
 # Power supply unit: Half-wave doubler with leakage transformer or full-wave rectifier without filter.

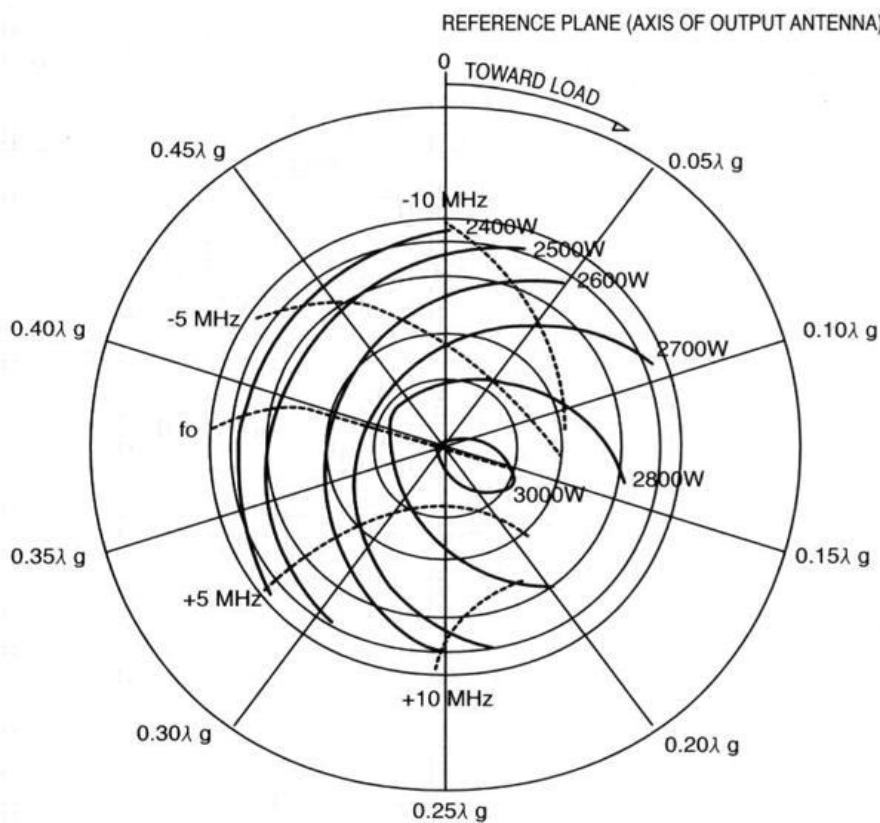


OPERATING CONDITIONS:

Power supply: single phase full - wave Rectifier without filter.
 Load V.S.W.R: ≤ 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=2460Mhz)

DIMENSIONAL OUTLINE OF 2M290

