

MODEL 2M278 Series

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.

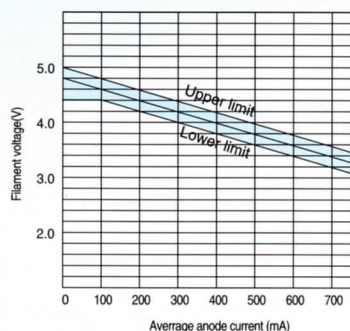
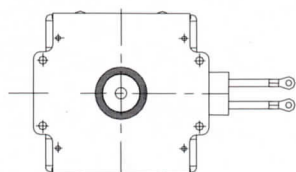
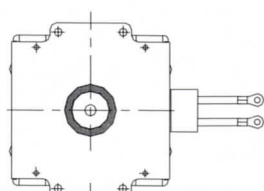


Fig.1 Filament Voltage Reduction Chart



2M278-22TYPE



2M278-02TYPE

1. General Data

ELECTRICAL CHARACTERISTICS

Filament voltage, Stand-by	.....	4.6Vac
Filament voltage, Operation	.....	3.4Vac
Filament Current	.....	19.5Aac
Frequency(with matched load)	.....	2455MHz
Anode potential	.....	Earth
Filament potential	.....	(-4kV)
Magnet	.....	Ferrite - magnet

MECHANICAL CHARACTERISTICS

Width	.....	120mm(4.72inches) max.
Length	.....	128mm(5.04inches) max.
Height	.....	170mm(6.69inches) max.
Weigh	.....	Approx. 2.1Kg
Mounting position	.....	Any
Cooling	.....	Forced air

2. Absolute Maximum Ratings

ELECTRICAL CHARACTERISTICS

	Min	Max	Unit	
Filament Voltage, Stand-by	4.40	5.00	V
Filament voltage, Operation	(See Fig.1) V		
Pre - heating Time	5	-	Sec
Average Anode Current	-	750	mAdc
Peak anode current	-	2100	mAp
Average anode input	-	2600	W
Load VSWR(continuous)	-	4	-
Anode core temperature	-	180	°C
Storage temperature	-30	60	°C

3. Typical Operation

OPERATING CONDITIONS

Filament voltage, Stand-by	.....	4.6Vac
Filament voltage, Operation	.....	3.4Vac
Average anode current #	.....	725mAdc
Cooling air flow	.....	1.5m ³ /min
# Power supply unit:	Half-wave doubler with leakage transformer or full-wave rectifier without filter.	

TYPICAL PERFORMANCE

Frequency(matched load)	.....	2455MHz
Peak anode voltage	.....	4.00kVp
Average output power(matched load)	.....	2000W