

TEST SPECIFICATION

Description : Continuous Wave Magnetron, 2450MHz, Fixed Frequency

1. Absolute Maximum Ratings :

	Symbol	Min	Max	Unit	Note
Filament Voltage	Ef	2.50	3.50	Vac	
Pre-heating Time	tk	0	-	sec	
Average Anode Current	Ib	-	480	mAdc	
Peak Anode Current	ibm	-	1.8	Ap	
Peak Anode Voltage	ebm	-	5.0	kVp	
Average Anode Input	pi	-	2.3	kW	
Load VSWR (continuous)	σ L	-	4	-	(15)
Anode Core Temperature	Tp	-	330	°C	(3)
Filter Case Temperature	Tcase	-	120	°C	
Antenna Temperature	Ta	-	360	°C	
Storage Temperature	-	-30	60	°C	

2. General Test Condition :

	Symbol	Value
Filament Voltage	Ef	3.05 Vac
Pre-heating Time	tk	8 sec
Average Anode Current	Ib	430 mAdc
Load VSWR	σ L	1.1 Max
Cooling Air Flow	Q	1.0 m ³ /min
Test Equipment		Page 13~ 14/14
Power Supply	single-phase, full-wave rectifier without filter

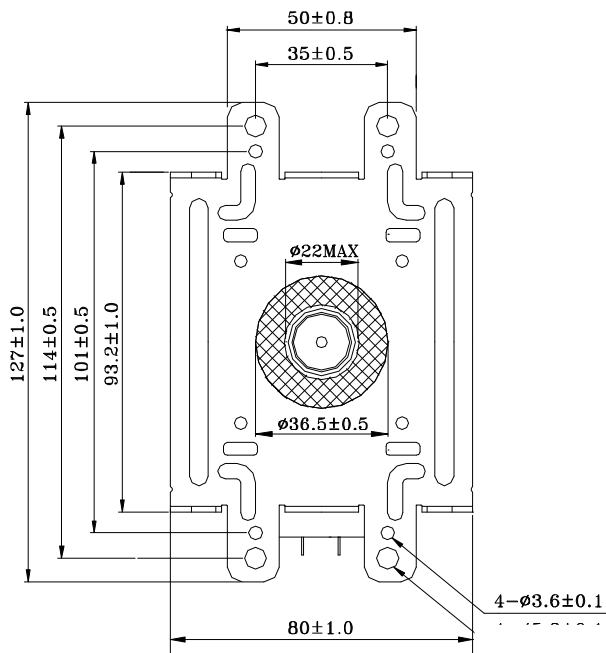
3. Test Specifications :

Item	Symbol	Nominal	Min	Max	Unit	Note
Filament Current	If	10.0	8.0	12.0	Aac	
Peak Anode Voltage	ebm	4.65	4.50	4.80	kVp	(5)
Average Output Power	Po	1500	1380	1570	W	(5)
Frequency	fo	2455	2445	2466	MHz	

DIMENSIONAL OUTLINE OF 2M343

DIMENSIONS IN MILLIMETERS

2M343-LUM15 TYPE



NOTE :

1. ADAPTABLE TO FASTON 250 SERIES RECEPTACLE.
2. ANODE TEMPERATURE MEASURING POINT.
(DOWN STREAM AIR)
3. CASE TEMPERATURE MEASURING POINT.
4. ANTENNA TEMPERATURE MEASURING POINT.

