

## TEST SPECIFICATIONS

Type : 2M121A

Description : Continuous Wave Magnetron for Microwave Ovens,  
2450MHz, Fixed Frequency.

Absolute Maximum Ratings :

Item	Symbol	Min.	Max.	Unit	Note
Filament Voltage	Ef	4.3	5.0	V	8,9
Pre-heating Time	tk	0	—	sec	8
Peak Anode Voltage	ebm	—	4.7	kVp	
Average Anode Current	Ib	—	525	mAdc	
Peak Anode Current	ibm	—	1.8	Ap	
Average Anode Input	Pi	—	2.3	kW	
Load VSWR		—	4		10
Anode Core Temperature	Tp	—	160	°C	6,7

Test conditions :

Filament Voltage                      Ef = 4.60 V  
 Average Anode Current                Ib = 450 mAdc  
 Load VSWR                            less than 1.1

see notes 1, 2 and 3.

Tests :

Item	Symbol	Bogie	Min.	Max.	Unit	Note
Filament Current, Stand-by	If	14	13	15	A	4
Peak Anode Voltage	ebm	4.5	4.2	4.7	kVp	11
Average Power Output	Po	1450	1300	—	W	11
Frequency	fo	2485	2480	2490	MHz	
Stability	ST	—	550	—	mAdc	5
Breakdown Voltage	Et	—	10	—	kVdc	

