TEST SPECIFICATIONS

Type : 2M130

Description : Continuous Wave Magnetron, 2450MHz, Fixed Frequency.

Absolute Maximum Ratings :

Item	Symbol	Min.	Max.	Unit	Note
Filament Surge Current	—	—	100	Aac	
Filament Voltage,Stand-by	Ef	4.40	5.00	Vac	
Filament Voltage,Operation	Ef	(See Fig.1)		Vac	1,2
Pre-heating Time	Tk	5	—	sec	1,3
Peak Anode Voltage.	ebm	—	4.3	KVp	1
Peak Anode Current	ibm	—	2.1	Ap	1
Average Anode Current	Ib	—	750	mAdc	1
Average Anode Input	Pi	—	2.6	KW	1
Load VSWR	σ L	—	4	—	1,7
Anode Core Temperature	Tp	—	180	℃	
Case Temperature	Tcase	—	120	℃	
Storage Temperature	—	-30	60	℃	

Test conditions for electrical characteristics :

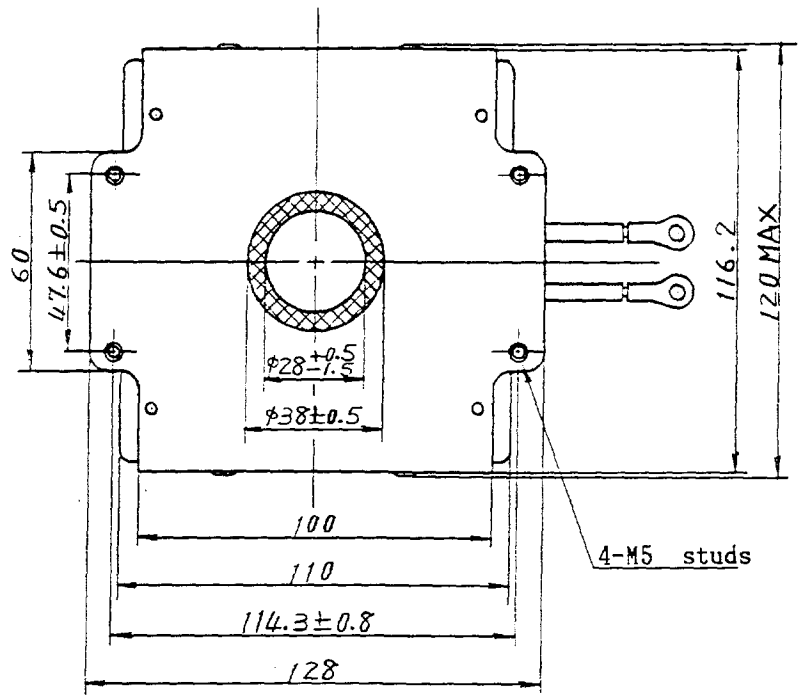
Filament Voltage	Ef = 4.6 V (Stand-by), Ef = 3.9 V (operation)
Average Anode Current	Ib = 725 mAdc
Load VSWR	σ L = 1.1 or less
Cooling Air Flow	Q = 1.5 m³/min (35 CFM) or greater

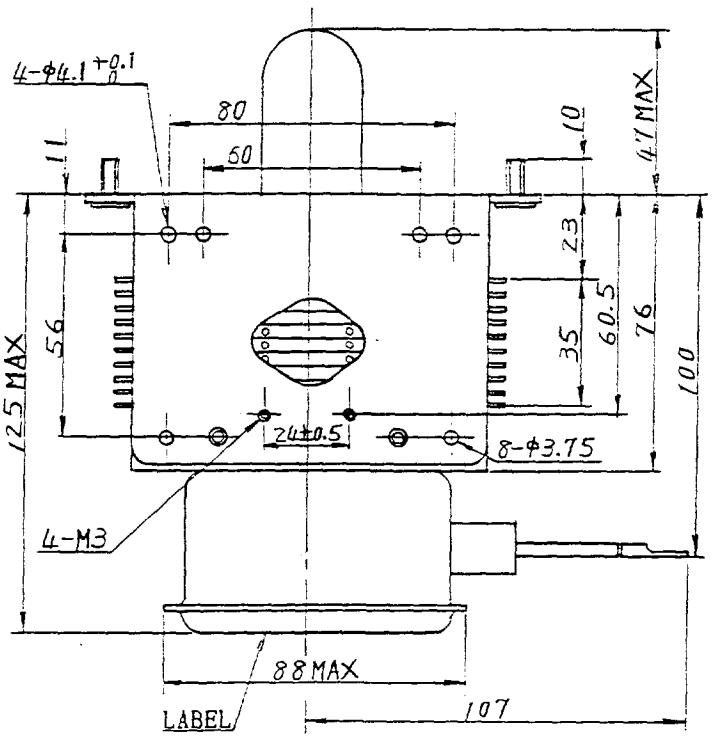
Limits and characteristics :

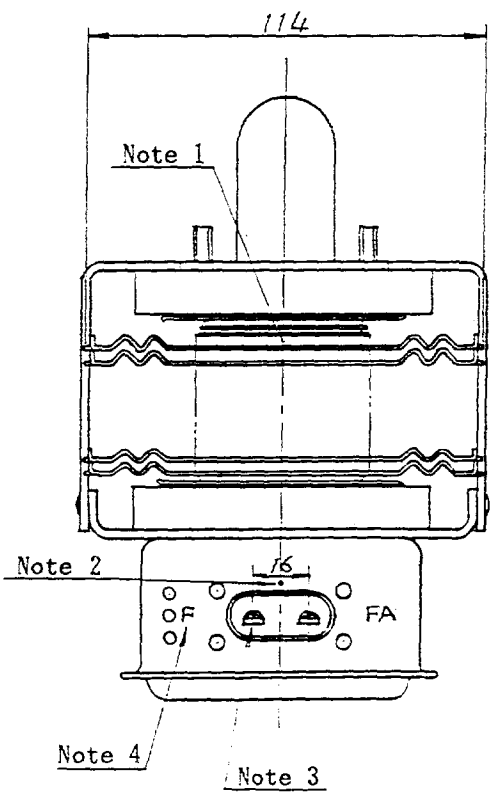
Item	Conditions	Symbol	Bogie	Min.	Max.	Unit	Note
Filament Current,Stand-by	tk=120secMin.	If	20	18.5	21.5	Aac	1,4,5
Peak Anode Voltage		ebm	4.00	3.85	4.20	kVp	1,4,5,10
Average Power Output		Po	1950	1750	—	W	1,4,5,10
Frequency		fo	2455	2440	2470	MHz	1,4,5,10
Stability	σ L=3 or less	ST	—	700	—	mAdc	1,4,5,6,8
Breakdown Voltage		Et	—	10	—	kVdc	9

DIMENSIONAL OUTLINE OF 2M130

Dimensions in millimeters







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