## specification < 2M266E-03U\*\* / Water Cooling >

## **Product Specification**

This Specifications is based on the General Rules of Inspection for Electron Tubes ED-1101 and the Testing Methods for Continuous Wave Magnetrons ED-1501 set by the Electronic Industries Association of Japan (EIAJ).

## Absolute Maximum Rating

Description	Continuous Wave Magnetron (Fixed Frequency, Packaged Magnet and Probe Output)											
Outline	See the Outline Drawing					Net Weight			Approximately 2.6 kg			
Absolute Maximum Rating	Item	Ef	Ef	tk	ebm	lb	ibm	Pi	σL	Тр®	Tc®	storage
	Unit	V	V	s	kV	mAdc	A	kW	-	°C	°C	°C
	Max.	4.4	2	-	5.5	900	3.1	4.7	2	180	120④	60
	Min.	3.8	2	5	-	-	-	-	-	-	-	-30
Standard Test Condition <sup>®</sup>		4.0	2.2	8	-	840	_	-	1.1 MAX	_	-	-

## Test Specification

Test Item®	Test	Test			Limit			
l est item <sup>®</sup>	Method ED-1501	Condition®	Symbol	Nominal	Min.	Max.	Unit	
*Filament Current	4.1.1	tk=120	lf	22	20	24	A	
Peak Anode Voltage	4.3.1	6	ebm	5.10	4.90	5.30	kV	
Average Output Power (1)	4.3.3.1	6	Po(1)	3000	2700	-	W	
Frequency	4.3.4	6	f	2455	2440	2470	MHz	
*Stability Moding (1)	4.3.11.2	σ <sub>L</sub> =2, t=60s	ST	No Moding			-	
Emission Moding (2)	4.3.11.3	Ef=1.7, t≦5s	Efm	No Moding		-		
Insulation	4.2	1kVdc	Rpf	-	1000	-	MΩ	
Breakdown Voltage	4.2	7.1kVac or 10kVdc,t=60s	V <sub>BV</sub>	No Abnormality®		-		

