

ELECTRONIC TUBE REFERENCE

2M89

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Fixed-frequency continuous-wave magnetron for microwave heating and cooking, using an external magnetic field and liquid cooling for sustained high-power operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 16 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
MAXIMUM PLATE VOLTAGE	7000 V
Fixed-frequency CW magnetron for microwave heating/cooking; external magnetic field and liquid cooling.	

Fixed-frequency CW magnetron for microwave heating/cooking; external magnetic field and liquid cooling.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1982 Toshiba

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1982 TOSHIBA

Section 1 · Magnetron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency	2450 MHz	—
Average Anode Current	300 mA	—
Power Output	1400 W	—
Peak Anode Current	1.5 A	—
Average Anode Current	350 mA	—
Load VSWR	4	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode Preheating Time	10 sec	—

TUBE TINKER

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and their source documents.

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