

ELECTRONIC TUBE REFERENCE

6551

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

MAGNETRON

Medium-power fixed-frequency pulsed magnetron covering approximately 23.8–24.27 GHz, supplied with its magnet.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 2.9 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
MAXIMUM PLATE VOLTAGE	16000 V
MAXIMUM CATHODE CURRENT	18 A
Published ratings and characteristics promoted semantically from the approved source; repeated identical sections compressed where applicable.	

Medium-power pulsed fixed-frequency magnetron covering approximately 23.8 to 24.27 GHz, supplied with its magnet for pulsed microwave service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Magnetron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	16000 V	—
Maximum Cathode Current	18 A	—
Peak Anode Voltage	14 kV	—
Peak Anode Current	15 A	—
Pulse Repetition Frequency	4000 pps	—
Average Power Output Minimum	24 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Minimum	23800 MHz	—
Frequency Maximum	24270 MHz	—

TUBE TINKER

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and their source documents.

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