



ELECTRONIC TUBE REFERENCE

6233

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Tunable pulsed magnetron with integral permanent magnet, operating near 9.31 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	7000 V
MAXIMUM PLATE DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	5 A
<i>Tunable pulse magnetron with integral permanent magnet, centered near 9310 MHz.</i>	

Tunable pulse magnetron with integral permanent magnet for operation near 9310 MHz and pulsed microwave output.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1945 Litton Industries

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

1945 LITTON INDUSTRIES

Section 1 · Magnetron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Adjustable Frequency	9310 MHz	Nominal
Pulling Factor	—20 MHz	Maximum

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	—7000 V	Absolute maximum
Maximum Peak Anode Current	—5 A	Absolute maximum
Maximum Average Anode Current	—12 mA	—
Maximum Anode Dissipation	—50 W	—
Typical Pulse Anode Voltage	6000 V	Oscillation test
Typical Average Anode Current	11.5 mA	Oscillation test
Power Output	21— W	Average; method A
Pulse Width	0.45–0.55 us	—
Duty Cycle	—0.003	Maximum

TUBE TINKER

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and their source documents.

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