



ELECTRONIC TUBE REFERENCE

6J21

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Tunable magnetron for continuous-wave or modulated microwave operation over approximately 2.5–3.55 GHz with kilowatt-class output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5.6 V / 17.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	6000 V
MAXIMUM PLATE DISSIPATION	1000 W
MAXIMUM CATHODE CURRENT	1 A
<i>Tunable UHF magnetron for CW or modulated operation.</i>	

Tunable magnetron for CW or modulated microwave operation over approximately 2.5 to 3.55 GHz, with kilowatt-class output ratings.

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
Frequency Range	2500–3550 MHz	Continuously tuned

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Anode Voltage	5000 V	CW or modulated
Typical Average Anode Current	300 mA	CW or modulated
Typical Power Output	800 W	CW or modulated
Maximum Anode Voltage	—6000 V	—
Maximum Peak Anode Current	—1 A	—
Maximum Average Anode Current	—400 mA	—
Maximum Anode Dissipation	—1000 W	—
Maximum Power Output	—1000 W	—