

ELECTRONIC TUBE REFERENCE

6917

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

MAGNETRON

Continuous-wave interdigital voltage-tunable magnetron covering approximately 2-4 GHz, producing up to about 10 watts in narrow-band operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.25 V / 3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM CATHODE CURRENT	40 mA
Magnetron represented as Other section because no canonical Magnetron SectionType exists.	

CW interdigital voltage-tunable magnetron for 2000 to 4000 MHz operation. In a narrow-band circuit it can produce up to 10 W, and in a wide-band circuit about 0.5 to 1 W.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Magnetron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	2000 MHz	Published datasheet value
Frequency maximum	4000 MHz	Published datasheet value
Narrow-band power output maximum	10 W	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode current maximum	40 mA	Published datasheet value
Power input maximum	60 W	ForcedAir
Wide-band power output	1 W	Published datasheet value

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Magnetron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	2000 MHz	—
Frequency maximum	4000 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power input	60 W	—
Power output	10 W	NarrowBand

TUBE TINKER

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