



ELECTRONIC TUBE REFERENCE

6787

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Metal-ceramic continuous-wave magnetron designed for dielectric heating near 915 MHz, providing at least 2.5 kW useful RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12 V / 55 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	4100 V
MAXIMUM PLATE DISSIPATION	3500 W
<i>Magnetron represented as Other section because no canonical Magnetron SectionType exists.</i>	

Metal-and-ceramic CW magnetron for dielectric-heating power service around 915 MHz. The tube is water and forced-air cooled, uses a tungsten filament and external magnetic field, and provides at least 2.5 kW useful RF output.



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	890 MHz	Published datasheet value
Frequency maximum	940 MHz	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode current maximum	1.5 A	Published datasheet value
Plate input maximum	6000 W	Published datasheet value
Power output minimum	2.5 kW	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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency typical minimum	890 MHz	—
Frequency typical maximum	940 MHz	—
Anode current	1.5 A	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate input	6000 W	—
RF output power	2.5 kW	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker