



ELECTRONIC TUBE REFERENCE

F1113

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Fixed-frequency high-power pulsed magnetron operating in approximately the 1.2-1.4 GHz region. Manufacturer data give about 700 kW nominal peak RF output, identifying it as a powerful microwave pulse oscillator.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	20 V / 20 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Magnetron

No fixed ratings recorded.

Magnetron oscillator section; frequency, pulse/CW power, anode, heater and cooling data retained as parameters.

Fixed-frequency pulsed magnetron in the 1.2-1.4 GHz region with about 700 kW nominal peak power.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Compagnie General

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

1958 COMPAGNIE GENERAL

Section 1 · Magnetron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	1195 MHz	—
Frequency maximum	1405 MHz	—
Peak RF output minimum	500 kW	Pulse
Peak RF output nominal	700 kW	Pulse
Pulse width minimum	1 us	Pulse
Pulse width maximum	7 us	Pulse

TUBE TINKER

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