



ELECTRONIC TUBE REFERENCE

F1112

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Water-cooled continuous-wave magnetron operating at 2450 MHz and rated for approximately 1.5 kW RF output. It was designed for industrial dielectric-heating service, making it a specialized continuous microwave power source rather than a pulse magnetron.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12 V / 3 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.

Water-cooled 2450 MHz continuous-wave magnetron for industrial dielectric heating, rated about 1.5 kW output.

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	2450 MHz	—
Frequency tolerance	50 MHz	—
Continuous RF output	1500 W	CW
Warmup time	180 s	—

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Water	—

TUBE TINKER

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and their source documents.

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