



ELECTRONIC TUBE REFERENCE

7796

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

C-band continuous-wave magnetron designed for communications, telemetry, relay, and modulated microwave service around 4.2-4.4 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM CATHODE CURRENT	30 mA
<i>Published electrical limits and characteristics promoted from the approved source; non-schema quantities are retained in TUBE_SECTION_PARAMETER.</i>	

C-band continuous-wave magnetron for swept-frequency and amplitude-modulated operation from 4.2 to 4.4 GHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Westinghouse

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

1947 WESTINGHOUSE

Section 1 · Magnetron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	6.3 V	Nominal
HeaterCurrentNominal	600 mA	Nominal
MaximumPlateOrOperatingVoltage	350 V	—
Maximum Cathode Current	30 mA	—
FrequencyModulationRateMaximum	300 Hz	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyRange	—	4.2 to 4.4 GHz
AverageRFPowerOutputMinimum	1.5 W	Across swept band