



ELECTRONIC TUBE REFERENCE

5J33

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Liquid-anode-cooled magnetron requiring an external magnetic field, designed for continuous microwave/RF oscillator service over its specified frequency range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.1 V / 40 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	700 W
MAXIMUM CATHODE CURRENT	400 mA
<i>Magnetron represented with SectionType Other because Magnetron is not a canonical SectionType.</i>	

The 5J33 is a magnetron requiring an external magnetic field, with liquid anode cooling and forced-air seal cooling.



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
FrequencyRange	750-1150 MHz	—
AnodeCoolantFlow	2 qt/min	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Input	900 W	—
TypicalPowerOutputMaximum	260 W	—

TUBE TINKER

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