ELECTRONIC TUBE REFERENCE

5J32

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

SECTION1 Magnetron	
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	400 W
MAXIMUM CATHODE CURRENT	450 mA

Magnetron represented with SectionType Other because Magnetron is not a canonical SectionType.

The 5J32 is a magnetron requiring an external magnetic field, with liquid anode cooling and forced-air seal cooling.

SOURCE OPERATING CONDITIONS

1968 General Electric Co

SOURCE PDF

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	**90-450 MHz**	—
AnodeCoolantFlow	**1 qt/min**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Input	**600 W**	—
TypicalPowerOutputMaximum	**200 W**	—

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