

ELECTRONIC TUBE REFERENCE

7680

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

MAGNETRON

Packaged voltage-tunable magnetron designed for continuous-wave RF generation from approximately 1.0-2.3 GHz, providing at least one watt across its tuning range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.6 V / 3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
MAXIMUM PLATE VOLTAGE	2000 V
Packaged voltage-tunable magnetron, 1000-2300 Mc, 1 W CW output.	

Packaged voltage-tunable magnetron for 1000 to 2300 MHz operation. It is a complete RF source package and provides at least 1 W CW output across its tuning range.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Magnetron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	1000 MHz	Published datasheet value
Frequency maximum	2300 MHz	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode current maximum	20 mA	Published datasheet value
Power input maximum	45 W	ForcedAir
Power output minimum	1 W	Published datasheet value

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