ELECTRONIC TUBE REFERENCE

6527

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MAGNETRON

Forced-air-cooled fixed-frequency pulsed magnetron with integral magnet, approximately nine-kilowatt peak output, and high-altitude capability.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	_
NOMINAL HEATER	6.3 V / 500 mA	**PARALLEL HEATER**	_ / _
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Magnetron

MAXIMUM PLATE VOLTAGE	6000 V
MAXIMUM CATHODE CURRENT	5.5 A

Magnetron represented as Other section because no canonical Magnetron SectionType exists.

Forced-air-cooled fixed-frequency pulsed magnetron oscillator with integral magnet, 9 kW peak output, and operation to 60,000 feet.

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**
Frequency minimum	**9345 MHz**	—
Frequency maximum	**9405 MHz**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Peak output power	**9 kW**	—
Duty cycle	**0.0025**	—
Pulse duration	**2.05 us**	—

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