



ELECTRONIC TUBE REFERENCE

6285

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Very-high-power fixed-frequency L-band pulsed magnetron operating near 1.31 GHz with peak output reaching approximately 10 MW.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	70000 V
MAXIMUM CATHODE CURRENT	350 A
<i>Published electrical limits and characteristics promoted from the approved source. Values without an applicable promoted column are retained in TUBE_SECTION_PARAMETER.</i>	

Very-high-power fixed-frequency L-band pulsed magnetron operating near 1.31 GHz with peak outputs up to 10 MW.



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
MaximumPlateOrOperatingVoltage	70000 V	—
Maximum Cathode Current	350 A	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
OperatingFrequency	1.31 GHz	Nominal
PeakRFOutputPowerMaximum	10000000 W	Pulse
PulseWidthTested	10 us	—
DutyCycleTested	0.0018	—
MagneticFieldMaximum	1600 gauss	Approximate at maximum voltage

TUBE TINKER

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and their source documents.

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