

ELECTRONIC TUBE REFERENCE

MC1

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Continuous-wave magnetron designed for industrial microwave heating, drying, food processing, or furnace service, with cooling arrangement appropriate to the specific type.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.9 V / 190 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
PLATE RESISTANCE	11000 Ω
TRANSCONDUCTANCE	0.0014 S
AMPLIFICATION FACTOR	15
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	1 W
Published ratings and characteristics were promoted when unambiguous; additional operating values are preserved in TUBE_SECTION_PARAMETER.	

Continuous-wave magnetron intended for microwave heating equipment such as microwave ovens and industrial furnaces, with approximately 1.5 kW output.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

194X Wehrmacht Rohren

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

194X WEHRMACHT ROHREN

Section 1 · Magnetron

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-cathode capacitance	1.7 pF	—
Plate-cathode capacitance	1.2 pF	—
Grid-plate capacitance	2.2 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	4 mA	U _a =100 V; U _g =-1.5 V



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Lamina

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

196X LAMINA

Section 1 · Magnetron

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency	2375 +/- 50 MHz	—
Output power	1500 W	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling	forced air	—

TUBE TINKER

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and their source documents.

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