

ELECTRONIC TUBE REFERENCE

ZM6287

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

MAGNETRON

Low-voltage continuous-wave industrial-heating magnetron assembly designed for the 915 MHz ISM band.

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

SECTION1 Magnetron
No fixed ratings recorded. Promoted fields mapped semantically from printed ratings/characteristics headings; pulsed and microwave-specific limits remain in parameter rows when fixed-field semantics are ambiguous.

Low-voltage CW industrial-heating magnetron assembly for the 915-MHz ISM band.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Magnetron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
918 Megahertz	1000 W	918 Megahertz 1000 Watts Output Power
connected to a 240-volt a-c line. Approximately	50 V	connected to a 240-volt a-c line. Approximately 50 volts a-c boost from an autotransformer is needed to
Starting. t	6.3 V	Starting. t - 6.3 Volts
Standby e	5.5 V	Standby e - 5.5 Volts
1.0	1.5 V	 1.0 1.5 Volts
0	0 V	 0 0 Volts
SUTZE .ote	75 A	SUTZE .ote - 75 Amperes
Stabilized (1 min.) i	18 A	Stabilized (1 min.) i - 18 Amperes
Standby	15 A	Standby - 15 Amperes
Operating (1000 watt) 0	0 mA	Operating (1000 watt) 0 0 Amperes
Preheat Time	50 s	Preheat Time 50 Seconds
Plate Voltage	725 V	Plate Voltage 725 Volts DC
Plate Current ,	3.5 A	Plate Current , 3.5 Amperes DC
Power Output (300 V AC Matched Load)	1000 W	Power Output (300 V AC Matched Load) 1000 Watts
Frequency, MatchedLoad 913	923 MHz	Frequency, MatchedLoad 913 923 MHz

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

