



ELECTRONIC TUBE REFERENCE

F1088

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Microwave magnetron oscillator operating at approximately 1.275 GHz with a narrow specified frequency tolerance. The available Thomson-CSF source establishes its magnetron oscillator function and frequency, while providing limited surviving application detail.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	20 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	42000 V

The F1088 is a microwave magnetron oscillator covering approximately 1.275 ± 0.005 GHz.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Thomson CSF

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

1972 THOMSON CSF

Section 1 · Magnetron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Range	1.275±0.005 GHz	—
Heater Voltage	20 V	—
Heater Current	12-15 A	—
RF Output Power	2400 kW	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Anode Voltage	42000 V	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Oscillator Service	Magnetron	—

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