



ELECTRONIC TUBE REFERENCE

F1050

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Microwave magnetron oscillator covering approximately 5.45–5.825 GHz. Thomson-CSF documentation places it in this microwave frequency range; the available extracted source material provides little additional detail about its specific equipment application.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	9.6 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	26000 V

The F1050 is a microwave magnetron oscillator covering approximately 5.45-5.825 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	5.45-5.825 GHz	—
Heater Voltage	9.6 V	—
Heater Current	5.0-6.0 A	—
RF Output Power	250 kW	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Anode Voltage	26000 V	—
Peak Anode Current	24 A	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Oscillator Service	Magnetron	—

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