



ELECTRONIC TUBE REFERENCE

F1025

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

MAGNETRON

Microwave magnetron oscillator covering approximately 8.5–9.6 GHz. The available Thomson-CSF documentation identifies it as a magnetron spanning a broad X-band frequency range; surviving source data in the database provide limited additional application detail.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	17000 V

The F1025 is a microwave magnetron oscillator covering approximately 8.5-9.6 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	8.5-9.6 GHz	—
Heater Voltage	12.6 V	—
Heater Current	2.0-2.4 A	—
RF Output Power	70 kW	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Anode Voltage	17000 V	—
Peak Anode Current	15 A	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Oscillator Service	Magnetron	—

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