

ELECTRONIC TUBE REFERENCE

TH3041A

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MAGNETRON

Forced-air-cooled fixed-frequency X-band pulsed magnetron for high-peak-power microwave and radar applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	13.75 V / 3.1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
MAXIMUM PLATE VOLTAGE	23000 V
Magnetron oscillator; specialized magnetic-field and pulse parameters are preserved in TUBE_SECTION_PARAMETER.	

The Thomson-CSF TH3041A is a forced-air-cooled fixed-frequency pulsed x-band magnetron.

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	9005–9055 MHz	—
Heater voltage	13.75 V	—
Heater current	3.1 A	—
Peak anode voltage minimum	20000 V	—
Device type	Pulsed magnetron	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak output power minimum	200 kW	—
Peak anode voltage maximum	23000 V	—
Average output power minimum	200 W	—
Duty factor	0.001	—
Frequency pulling maximum	15 MHz	—

TUBE TINKER

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