

ELECTRONIC TUBE REFERENCE

TH3060B

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MAGNETRON

Liquid-cooled tunable high-power S-band pulsed magnetron designed for radar and demanding microwave transmitter service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	14 V / 8 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
MAXIMUM PLATE VOLTAGE	46000 V
Magnetron oscillator; specialized magnetic-field and pulse parameters are preserved in TUBE_SECTION_PARAMETER.	

The Thomson-CSF TH3060B is a liquid-cooled tunable high-power s-band pulsed 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	2992–3001 MHz	—
Heater voltage	14 V	—
Heater current	8 A	—
Peak anode voltage minimum	36000 V	—
Device type	Pulsed magnetron	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak output power minimum	1900 kW	—
Peak anode voltage maximum	46000 V	—
Typical peak output power	2000 kW	—
Average output power minimum	1900 W	—
Heater surge current maximum	15 A	—