



ELECTRONIC TUBE REFERENCE

TH363

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled ceramic-metal planar power triode for oscillator, amplifier, and frequency-multiplier service to approximately 3 GHz. High plate-voltage capability and compact planar geometry support substantial microwave-frequency RF power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.3 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM PLATE DISSIPATION	250 W
MAXIMUM GRID DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	1.5 A

Forced-air-cooled ceramic-metal planar triode for oscillator, amplifier and multiplier service to 3 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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency	3000 MHz	—
Maximum Anode Voltage	8000 V	—
Maximum Anode Dissipation	250 W	—
Maximum Grid Dissipation	1.5 W	—
Maximum/Peak Cathode Current	1.5 A	—
Peak Anode Voltage	10000 V	Pulse modulator
Pulse Duration	6 us	—
Duty Factor	0.045	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	6.3 V	—
Heater/Filament Current	1.3 A	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode-Grid Capacitance	8 pF	—
Grid-Anode Capacitance	1.8 pF	—
Cathode-Anode Capacitance	0.03 pF	—

TUBE TINKER

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and their source documents.

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