



ELECTRONIC TUBE REFERENCE

TH361

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Forced-air-cooled transmitting tetrode designed for television and RF power service. Its output construction supports professional broadcast and radio-frequency amplifier applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7 V / 140 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM SCREEN VOLTAGE	800 V
MAXIMUM PLATE DISSIPATION	12000 W
MAXIMUM SCREEN DISSIPATION	250 W
MAXIMUM GRID DISSIPATION	100 W
MAXIMUM CATHODE CURRENT	40 A

Forced-air-cooled transmitting tetrode for television and RF power service.

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 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency	300 MHz	—
Maximum Anode Voltage	8000 V	—
Maximum Anode Dissipation	12000 W	—
Maximum Screen/Grid 2 Voltage	800 V	—
Maximum Screen/Grid 2 Dissipation	250 W	—
Maximum Grid Dissipation	100 W	—
Maximum/Peak Cathode Current	40 A	—
Typical RF Output Power	12 kW	—
Driving Power	250-300 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	7 V	—
Heater/Filament Current	140 A	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Cathode Capacitance	published pF	—
Grid-Anode Capacitance	published pF	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

