



ELECTRONIC TUBE REFERENCE

TH371

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Forced-air-cooled coaxial transmitting tetrode designed for AF/RF amplifier and oscillator service to approximately 300 MHz. Its broadband construction supports versatile professional power applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	8 V / 185 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.14 S
AMPLIFICATION FACTOR	8
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM SCREEN VOLTAGE	800 V
MAXIMUM PLATE DISSIPATION	18000 W
MAXIMUM SCREEN DISSIPATION	400 W
MAXIMUM GRID DISSIPATION	150 W
MAXIMUM CATHODE CURRENT	50 A
<i>Promoted maximum ratings/characteristics mapped semantically from the printed ratings tables; additional published electrical data are preserved in TUBE_SECTION_PARAMETER.</i>	

Forced-air coaxial transmitting tetrode for AF/RF amplifier and oscillator service to 300 MHz.

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
Filament Starting Current Maximum	600 A	—
Input Capacitance	150 pF	—
Output Capacitance	26 pF	—
Cathode-Anode Capacitance	0.13 pF	—
DC Anode Current Maximum	10 A	—
Frequency Maximum	300 MHz	—
Typical Anode Voltage	6000 V	—
Typical Screen Voltage	600 V	—