



ELECTRONIC TUBE REFERENCE

TH4T4100

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Transmitting tetrode designed for oscillator and AF/RF amplifier service to approximately 30 MHz, with natural or forced-air cooling depending on operating conditions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 35 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.016 S
AMPLIFICATION FACTOR	8
MAXIMUM PLATE VOLTAGE	6000 V
MAXIMUM SCREEN VOLTAGE	1200 V
MAXIMUM PLATE DISSIPATION	2000 W
MAXIMUM SCREEN DISSIPATION	300 W
MAXIMUM GRID DISSIPATION	100 W
MAXIMUM CATHODE CURRENT	13 A
<i>Promoted maximum ratings/characteristics mapped semantically from the printed ratings tables; additional published electrical data are preserved in TUBE_SECTION_PARAMETER.</i>	

Transmitting tetrode for oscillator and AF/RF amplifier service to 30 MHz; natural or forced-air cooling.

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
Input Capacitance	60 pF	—
Output Capacitance	14 pF	—
ControlGrid-Anode Capacitance	0.6 pF	—
DC Anode Current Maximum	1.5 A	—
Input Power Maximum	7 kW	—
Frequency Full Load Maximum	30 MHz	—
Typical Anode Voltage	6000 V	—
Typical Screen Voltage	1000 V	—