

ELECTRONIC TUBE REFERENCE

TH547

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Hypervapotron ceramic-metal UHF tetrode designed for television linear-amplifier service to approximately 1 GHz. Advanced vapor cooling supports high broadcast power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 33 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.03 S
AMPLIFICATION FACTOR	7
MAXIMUM PLATE VOLTAGE	4500 V
MAXIMUM SCREEN VOLTAGE	650 V
MAXIMUM PLATE DISSIPATION	5000 W
MAXIMUM SCREEN DISSIPATION	25 W
MAXIMUM GRID DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	6 A
<i>Promoted maximum ratings/characteristics mapped semantically from the printed ratings tables; additional published electrical data are preserved in TUBE_SECTION_PARAMETER.</i>	

Hypervapotron ceramic-metal UHF television linear-amplifier tetrode to 1 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 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Starting Current Maximum	100 A	—
Input Capacitance	40 pF	—
Output Capacitance	8.2 pF	—
Cathode-Anode Capacitance	0.02 pF	—
DC Anode Current Maximum	2 A	—
Frequency Maximum	1000 MHz	—
Typical Television Frequency	860 MHz	—
Anode Cooling Water Flow Minimum	2 L/min	—