



ELECTRONIC TUBE REFERENCE

TH521

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

High-power vapor-cooled coaxial transmitting tetrode designed for AF/RF amplifier and oscillator service. Vapotron cooling permits substantial sustained dissipation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 200 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.08 S
AMPLIFICATION FACTOR	4.8
MAXIMUM PLATE VOLTAGE	13000 V
MAXIMUM SCREEN VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	60000 W
MAXIMUM SCREEN DISSIPATION	600 W
MAXIMUM GRID DISSIPATION	300 W
MAXIMUM CATHODE CURRENT	60 A
<i>Promoted maximum ratings/characteristics mapped semantically from the printed ratings tables; additional published electrical data are preserved in TUBE_SECTION_PARAMETER.</i>	

High-power vapor-cooled coaxial transmitting tetrode for AF/RF amplifier and oscillator 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
Filament Starting Current Maximum	600 A	—
Cathode-ControlGrid Capacitance	140 pF	—
Cathode-Screen Capacitance	10 pF	—
Cathode-Anode Capacitance	0.2 pF	—
ControlGrid-Screen Capacitance	265 pF	—
ControlGrid-Anode Capacitance	1.4 pF	—
Screen-Anode Capacitance	35 pF	—
Frequency CathodeGrounded Maximum	30 MHz	—
Frequency GridGrounded Maximum	220 MHz	—

TUBE TINKER

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

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