



ELECTRONIC TUBE REFERENCE

TH392

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Forced-air-cooled ceramic-metal coaxial tetrode designed for continuous-wave oscillator and grounded-grid RF power-amplifier service to approximately 1 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4.2 V / 140 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.07 S
AMPLIFICATION FACTOR	6
MAXIMUM PLATE VOLTAGE	5200 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	12000 W
MAXIMUM SCREEN DISSIPATION	150 W
MAXIMUM GRID DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	25 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 ceramic-metal coaxial tetrode for CW oscillator and grounded-grid RF power-amplifier service

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
Input Capacitance	75 pF	—
Output Capacitance	17.5 pF	—
Cathode-Anode Capacitance	0.01 pF	—
DC Anode Current Maximum	6 A	—
Frequency Maximum	1000 MHz	—
Typical Frequency	860 MHz	—
Typical DC Anode Current	4.8 A	—
Typical Grid 2 Current	50 mA	—

TUBE TINKER

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and their source documents.

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