



ELECTRONIC TUBE REFERENCE

ZP1044

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Forced-air-cooled power tetrode with internal feedback for continuous-wave Class C oscillator service through approximately 1.25 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5.7 V / 24 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM SCREEN VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	1500 W
MAXIMUM SCREEN DISSIPATION	25 W
<i>CW Class-C absolute maximum plate/screen ratings promoted. Printed Grid-No.2 input limit is represented as maximum screen dissipation/input power; remaining currents and operating values are preserved as parameters.</i>	

Forced-air-cooled power tetrode with internal feedback, designed for continuous-wave Class-C oscillator service through approximately 1250 MHz.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency Maximum	1250 MHz	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	CW Class C oscillator	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1968 GENERAL ELECTRIC CO

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	—6 V	Bogey;Maximum=6.0V
Heater Current	22 A–26 A	AtHeaterVoltage=5.7V
Heater Starting Current	—36 A	—
Heater Cold Resistance	0.02 ohm	—
Cathode Heating Time	1— min	—
Radiator Hub Temperature Maximum	180 C	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ceramic Temperature Maximum	200 C	—
DC Grid-No.1 Voltage Maximum	-150 V	ClassC;CW
DC Plate Current Maximum	700 mA	ClassC;CW
DC Grid-No.1 Current Maximum	100 mA	ClassC;CW
Plate Input Maximum	2500 W	ClassC;CW
DC Plate Voltage	3800 V	GroundedGrid;ClassC;CW;UpTo1000MHz
DC Grid-No.2 Voltage	500 V	GroundedGrid;ClassC;CW;UpTo1000MHz
DC Grid-No.1 Voltage	-120 V	GroundedGrid;ClassC;CW;UpTo1000MHz
DC Plate Current	500 mA	GroundedGrid;ClassC;CW;UpTo1000MHz
DC Grid-No.2 Current	22 mA	GroundedGrid;ClassC;CW;UpTo1000MHz
DC Grid-No.1 Current Approximate	75 mA	GroundedGrid;ClassC;CW;UpTo1000MHz
Power Output Approximate Useful	1100 W	GroundedGrid;ClassC;CW;UpTo1000MHz

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance G2 tied to G1	17 pF	—
Output Capacitance G2 tied to G1	5.5 pF	—

TUBE TINKER

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