



ELECTRONIC TUBE REFERENCE

F6053

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Forced-air-cooled transmitting power tetrode for high-power single-sideband Class-AB1 service into approximately the 100–200 MHz region. Designed for professional linear RF amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	–	BASE PINS	–
NOMINAL HEATER	7.5 V / 100 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.02 S
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM SCREEN VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	5000 W
MAXIMUM SCREEN DISSIPATION	300 W
MAXIMUM CATHODE CURRENT	3.5 A
<i>Published promoted ratings/characteristics retained where readable; additional values are in TUBE_SECTION_PARAMETER.</i>	

Forced-air-cooled transmitting power tetrode for high-power SSB service, designed for class-AB1 operation and operation into the 100–200 MHz region.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Compagnie General

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

1958 COMPAGNIE GENERAL

Section 1 · Tetrode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen-grid amplification ratio	4 ratio	Ia=1.5A;Va=4000V;Vg2=900V

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	63 pF	CathodeGrounded
Output capacitance	29 pF	CathodeGrounded
Control-grid to plate capacitance	1.3 pF	CathodeGrounded
Input capacitance	39 pF	ControlGridGrounded
Output capacitance	29 pF	ControlGridGrounded
Cathode-to-plate capacitance	0.45 pF	ControlGridGrounded

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RF output power	5 kW	ClassAB1;f=30MHz;Va=5000V
RF output power	6.7 kW	ClassC;f=30MHz

TUBE TINKER

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