

ELECTRONIC TUBE REFERENCE

7296

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Metal-ceramic planar triode for high-frequency electronic service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	5450 Ω
TRANSCONDUCTANCE	0.0165 S
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	5.5 W
MAXIMUM CATHODE CURRENT	120 mA
Promoted only from clearly labeled printed ratings/characteristics; specialized and operating data retained in parameter rows.	

Metal-ceramic or planar triode.



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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage, ACor DC*. . , . .. 6.3=0.3 Volts	0.3 Volts	Published datasheet; semantic line recovery
Heater Current+. 0.4 Amperes	0.4 Amperes	Published datasheet; semantic line recovery
Grid to Plate: (gtop)..... 2.2 pf	2.2 pf	Published datasheet; semantic line recovery
Output:pto(h +k)..... 0.075 pf	0.075 pf	Published datasheet; semantic line recovery
Heater to Cathode: (htok)..... 2.8 pf	2.8 pf	Published datasheet; semantic line recovery
Plate Voltage. 330 Volts Cathode . . . 50 Volts	330 Volts	Published datasheet; semantic line recovery
Plate Voltage. 330 Volts Cathode . . . 50 Volts	50 Volts	Published datasheet; semantic line recovery
Positive DC Grid Voltage. 0 Volts Heater Negative with Respect to	0 Volts	Published datasheet; semantic line recovery
DC Grid Volts Cathode. 50 Volts	50 Volts	Published datasheet; semantic line recovery
Plate Dissipation..... 5.5 Watts With Fixed Bias.	5.5 Watts	Published datasheet; semantic line recovery
... 10 Milliamperes With Cathode Bias..... 0.18 Megohms	10 Milliamperes	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
... 10 Milliamperes With Cathode Bias..... 0.18 Megohms	0.18 Megohms	Published datasheet; semantic line recovery
DC Cathode Current..... 30 Milliamperes Plate Dissipation not over 3.3 Watts .. 300 C	30 Milliamperes	Published datasheet; semantic line recovery
DC Cathode Current..... 30 Milliamperes Plate Dissipation not over 3.3 Watts .. 300 C	3.3 Watts	Published datasheet; semantic line recovery
Peak Cathode Current. 120 Milliamperes Plate Dissipation up to 5.5 Watts. 250 C	120 Milliamperes	Published datasheet; semantic line recovery
Peak Cathode Current. 120 Milliamperes Plate Dissipation up to 5.5 Watts. 250 C	5.5 Watts	Published datasheet; semantic line recovery
... .. 200 Volts Transconductance. 16500 Micromhos	200 Volts	Published datasheet; semantic line recovery
... .. 200 Volts Transconductance. 16500 Micromhos	16500 Micromhos	Published datasheet; semantic line recovery
... . 68 Ohms Plate Current. 17 Milliamperes	68 Ohms	Published datasheet; semantic line recovery
... . 68 Ohms Plate Current. 17 Milliamperes	17 Milliamperes	Published datasheet; semantic line recovery
Plate Resistance, approximate.....5450 Ohms Ib =10 Microamperes..... – 5.5 Volts	5450 Ohms	Published datasheet; semantic line recovery
Plate Resistance, approximate.....5450 Ohms Ib =10 Microamperes..... – 5.5 Volts	10 Microamperes	Published datasheet; semantic line recovery
Plate Resistance, approximate.....5450 Ohms Ib =10 Microamperes..... – 5.5 Volts	5.5 Volts	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current of a bogey tube at Ef =6.3 volts. is recommended for applications requiring the longest	6.3 volts	Published datasheet; semantic line recovery
GridtoPlate (gtop). 1.9 2.2 2.5 pf	2.5 pf	Published datasheet; semantic line recovery
Output:pto(h + k). """""" 0.05 0.075 0.1 pf	0.1 pf	Published datasheet; semantic line recovery
Heater to Cathode: (htok)..... 2.1 2.8 3.5 pf	3.5 pf	Published datasheet; semantic line recovery
Heater Positive with Respect to Cathode. 20 Microamperes	20 Microamperes	Published datasheet; semantic line recovery
Heater Negative with Respect to Cathode. 20 Microamperes	20 Microamperes	Published datasheet; semantic line recovery
Ef=6.3 volts. Polarity of applied d-c interelectrode voltage	6.3 volts	Published datasheet; semantic line recovery
Grid to Allat 100 voltsd-c. 100 Megohms	100 volts	Published datasheet; semantic line recovery
Plate to All at 300 voltsd-c.	300 volts	Published datasheet; semantic line recovery
+12 volts, prr =1000 pps, duty cycle 1¢. Pulse cathode	12 volts	Published datasheet; semantic line recovery
Grid Recovery. . . . Change in Average Plate Current. 1.0 Milliamperes	1 Milliamperes	Published datasheet; semantic line recovery
Peak Plate Current Backswing. 2.0 Milliamperes	2 Milliamperes	Published datasheet; semantic line recovery
Upon application to the grid of a pulse driving it 3 volts	3 volts	Published datasheet; semantic line recovery
Statistical sample operated for 1000 hours with Ef =6.6 volts, no other voltages applied, and evaluated for	6.6 volts	Published datasheet; semantic line recovery
70 volts with heater positive with respect to cathode. Following this test tubes are evaluated for open heaters,	70 volts	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	Published datasheet
Heater Current	400 mA	Published datasheet

TUBE TINKER

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

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