

ELECTRONIC TUBE REFERENCE

7462

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 / 240 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	9000 Ω
TRANSCONDUCTANCE	0.010499999999999999 S
AMPLIFICATION FACTOR	94
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	1.1 W
MAXIMUM CATHODE CURRENT	11 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 and electrical connections.	0.3 Volts	Published datasheet; semantic line recovery
Heater Currentt. 0.24 Amperes	0.24 Amperes	Published datasheet; semantic line recovery
Grid to Plate: (gtop). 1.25 pf	1.25 pf	Published datasheet; semantic line recovery
Output:pto(h+k)..... 0.032 pf	0.032 pf	Published datasheet; semantic line recovery
Heater to Cathode (htok)..... 1.5 pf	1.5 pf	Published datasheet; semantic line recovery
Plate Voltage. 250 Volts	250 Volts	Published datasheet; semantic line recovery
Cathode..... 50 Volts	50 Volts	Published datasheet; semantic line recovery
Positive Peak and DC Grid Voltage.....0 Volts Heater Negative with Respect to	0 Volts	Published datasheet; semantic line recovery
Negative Peak and DC Grid Voltage. . 50 Volts Cathode. 50 Volts	50 Volts	Published datasheet; semantic line recovery
Plate Dissipation. 1.1 Watts	1.1 Watts	Published datasheet; semantic line recovery
DC Cathode Current. 11 Milliamperes Bulb Temperature at Hottest Pointf 250 C	11 Milliamperes	Published datasheet; semantic line recovery
... 150 Volts Plate Resistance, approximate. 9000 Ohms	150 Volts	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
... 150 Volts Plate Resistance, approximate. 9000 Ohms	9000 Ohms	Published datasheet; semantic line recovery
Transconductance. 10500 Micromhos	10500 Micromhos	Published datasheet; semantic line recovery
Plate Current..... 7.2 Milliamperes	7.2 Milliamperes	Published datasheet; semantic line recovery
.. .. 910 Ohms Grid Voltage, approximate	910 Ohms	Published datasheet; semantic line recovery
Amplification Factor. 94 Ib =100 Microamperes..... --2.4 Volts	100 Microamperes	Published datasheet; semantic line recovery
Amplification Factor. 94 Ib =100 Microamperes..... --2.4 Volts	-2.4 Volts	Published datasheet; semantic line recovery
t Heater current of a bogey tube at Ef =6.3 volts.	6.3 volts	Published datasheet; semantic line recovery
Difference between transconductance at Ef =6.3 volts and trans-	6.3 volts	Published datasheet; semantic line recovery
pressed as a percentage of transconductance at Ef=6.3 volts. AU 15 Percent	6.3 volts	Published datasheet; semantic line recovery
pressed as a percentage of transconductance at Ef=6.3 volts. AU 15 Percent	15 Percent	Published datasheet; semantic line recovery
Gridto Plate: (€t0 D). i 1.05 1.25 1.45 pf	1.45 pf	Published datasheet; semantic line recovery
Output: pto (h+Kk)\t 0.013 0.032 0.045 pf	0.045 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. e 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
Gridto Allof 100 voltsd-c. 100 Megohms	100 volts	Published datasheet; semantic line recovery
Plateto Allat 300 volts d-C. i, 100 e Megohms	300 volts	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ehk = – 70 volts, Rk =910 ohms, Rg =0.1 meg. Heater voltage is cycled (on 134 hours, off 14 hour). Tubes are evaluated,	70 volts	Published datasheet; semantic line recovery
Ehk = – 70 volts, Rk =910 ohms, Rg =0.1 meg. Heater voltage is cycled (on 134 hours, off 14 hour). Tubes are evaluated,	910 ohms	Published datasheet; semantic line recovery
Statistical sample operated for 500 hours with Ef =6.6 volts, no other voltages applied, and evaluated for cathode	6.6 volts	Published datasheet; semantic line recovery
test include Ef =7.0 volts cycled for one minute on and one minute off, Eb=Ec =0 volts, and Ehk = 70 volts with heater	7 volts	Published datasheet; semantic line recovery
test include Ef =7.0 volts cycled for one minute on and one minute off, Eb=Ec =0 volts, and Ehk = 70 volts with heater	0 volts	Published datasheet; semantic line recovery
test include Ef =7.0 volts cycled for one minute on and one minute off, Eb=Ec =0 volts, and Ehk = 70 volts with heater	70 volts	Published datasheet; semantic line recovery
Heater Voltage	6.3 V	Published datasheet
Heater Current	240 mA	Published datasheet

TUBE TINKER

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