

ELECTRONIC TUBE REFERENCE

7486

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

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.010499999999999999 S
AMPLIFICATION FACTOR	90
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	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, AC or DC*. 6.3=0.3 Volts See Outline Drawing on page 3 for dimensions and elec-	0.3 Volts	Published datasheet; semantic line recovery
Grid to Plate: (gtop)..... 1.0 pf	1 pf	Published datasheet; semantic line recovery
Output: pto (h+k)..... 0.01 pf	0.01 pf	Published datasheet; semantic line recovery
Heater to Cathode: (htok). 1.1 pf	1.1 pf	Published datasheet; semantic line recovery
Plate Voltage. 250 Volts Heater-Cathode Voltage	250 Volts	Published datasheet; semantic line recovery
Positive DC Grid Voltage. 0 Volts Heater Positive with Respect to	0 Volts	Published datasheet; semantic line recovery
Negative DC Grid Voltage. 50 Volts Cathode.....SREREREERREEEEE. 50 Volts	50 Volts	Published datasheet; semantic line recovery
Plate Dissipation. 1.0 Watts Heater Negative with Respect to	1 Watts	Published datasheet; semantic line recovery
. e Cathode..... 50 Volts	50 Volts	Published datasheet; semantic line recovery
DC Grid Current. 2.2 Milliamperes Grid Circuit Resistance. 10000 Ohms	2.2 Milliamperes	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Grid Current. 2.2 Milliamperes Grid Circuit Resistance. 10000 Ohms	10000 Ohms	Published datasheet; semantic line recovery
DC Cathode Current. 11 Milliamperes Envelope Temperature at Hottest	11 Milliamperes	Published datasheet; semantic line recovery
Plate Voltage. 100 150 Volts	150 Volts	Published datasheet; semantic line recovery
Cathode-Bias Resistor. R 82 Ohms	82 Ohms	Published datasheet; semantic line recovery
Transconductance. 11500 10500 Micromhos	10500 Micromhos	Published datasheet; semantic line recovery
Plate Current. 8.0 7.5 Milliamperes	7.5 Milliamperes	Published datasheet; semantic line recovery
Plate Voltage. 150 150 Volts	150 Volts	Published datasheet; semantic line recovery
Grid Resistor. 1000 1000 Ohms	1000 Ohms	Published datasheet; semantic line recovery
Plate Current. 8.0 8.0 Milliamperes	8 Milliamperes	Published datasheet; semantic line recovery
Grid Current. 2.0 2.0 Milliamperes	2 Milliamperes	Published datasheet; semantic line recovery
Frequency. 450 1200 Megacycles	1200 Megacycles	Published datasheet; semantic line recovery
Power Output, approximate. 450 300 Milliwatts	300 Milliwatts	Published datasheet; semantic line recovery
Plate Voltage. 150 Volts	150 Volts	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridResistor. 3000 Ohms	3000 Ohms	Published datasheet; semantic line recovery
Plate Current. 5.0 Milliamperes	5 Milliamperes	Published datasheet; semantic line recovery
Grid Current. 1.0 Milliamperes	1 Milliamperes	Published datasheet; semantic line recovery
Frequency..... 450 Megacycles	450 Megacycles	Published datasheet; semantic line recovery
Power Output, approximate... 300 Milliwatts	300 Milliwatts	Published datasheet; semantic line recovery
1 Heater current of a bogey tube at Ef =6.3 volts. mum values. For specific recommendations concerning	6.3 volts	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 All at 100 volts d-c 100 Megohms	100 volts	Published datasheet; semantic line recovery
Plateto All at 300 volts d-c. 100 Megohms	300 volts	Published datasheet; semantic line recovery
1200 Megacycle Oscillator Power Output. 200 Milliwatts	200 Milliwatts	Published datasheet; semantic line recovery
Tubes are tested for power output as an oscillator under the Eb=150 volts, Rg=1000 ohms, Ib=8.0 ma maximum,	150 volts	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tubes are tested for power output as an oscillator under the Eb=150 volts, Rg=1000 ohms, Ib=8.0 ma maximum,	1000 ohms	Published datasheet; semantic line recovery
Change in Average Plate Current. 0.6 Milliamperes	0.6 Milliamperes	Published datasheet; semantic line recovery
Peak Plate Current Backswing. - Ce 1.0 Milliamperes	1 Milliamperes	Published datasheet; semantic line recovery
Statistical sample tested for voltage breakdown at a when 300 volts RMS, 60 cps, is applied between the plate	300 volts	Published datasheet; semantic line recovery
Statistical sample operated for 1000 hours with Ef= 6.6 volts, no other voltages applied, and evaluated for cath-	6.6 volts	Published datasheet; semantic line recovery
Heater Voltage	6.3 V	Published datasheet
Heater Current	6.3 A	Published datasheet